

## TYPO3 Core - Bug #91097

### ImageInfo::extractSvgImageSizes() does not check for width/height in percent

2020-04-17 18:06 - Georg Tiefenbrunn

<b>Status:</b>	New	<b>Start date:</b>	2020-04-17
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	10	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			
<b>Description</b>			
extractSvgImageSizes() can't extract the dimensions of SVG files having width/height as percentage length values.			
\$xmlAttributes['width'] and \$xmlAttributes['height'] are both cast to integer in <a href="https://github.com/TYPO3/TYPO3.CMS/blob/master/typo3/sysext/core/Classes/Type/File/ImageInfo.php#L136">https://github.com/TYPO3/TYPO3.CMS/blob/master/typo3/sysext/core/Classes/Type/File/ImageInfo.php#L136</a>			
<pre>&lt;svg width="600" height="450"&gt; -&gt; OK 600 x 450 &lt;svg viewBox="0 0 600 450"&gt; -&gt; OK 600 x 450 &lt;svg width="100%" height="100%" viewBox="0 0 600 450"&gt; -&gt; FALSE 100 x 100</pre>			
I have no idea how to handle length values defined in em, ex, in, cm, mm, pt or pc, but px should be returned as int and % should be returned as 0.			
The current implementation only works for viewBox="0 0 w h". w/h should only be extracted from viewBox if x/y=0.			
\$xmlAttributes['viewBox'] in <a href="#">Line 140</a> should be cast to string to prevent TypeError ( <i>explode() expects parameter 2 to be string, object given</i> ).			
Links:			
<ul style="list-style-type: none"><li>• <a href="https://www.w3.org/TR/SVG11/struct.html#SVGElementWidthAttribute">https://www.w3.org/TR/SVG11/struct.html#SVGElementWidthAttribute</a></li><li>• <a href="https://www.w3.org/TR/SVG11/types.html#DataTypeLength">https://www.w3.org/TR/SVG11/types.html#DataTypeLength</a></li></ul>			