CalibratorPDF

v3.0.0

Coordinate Spec

1. *x, y, width* and *height* use "pixel" (px) as unit value.
2. *x, y, width* and *height* are non-negative finite numbers (*unsigned integer*).
3. *x, y, width* and *height* can be decimal numbers (*floating integer*).
4. *x, y, width* and *height* are calculated at zoom factor: **1** (**100%**). Zoom In or Zoom Out does not impact the value.
5. The *x* value is horizontal distance from left side of the paper to left side of the object (in pixels).
   The *y* value is vertical distance from top side of the paper to top side of the object (in pixels).
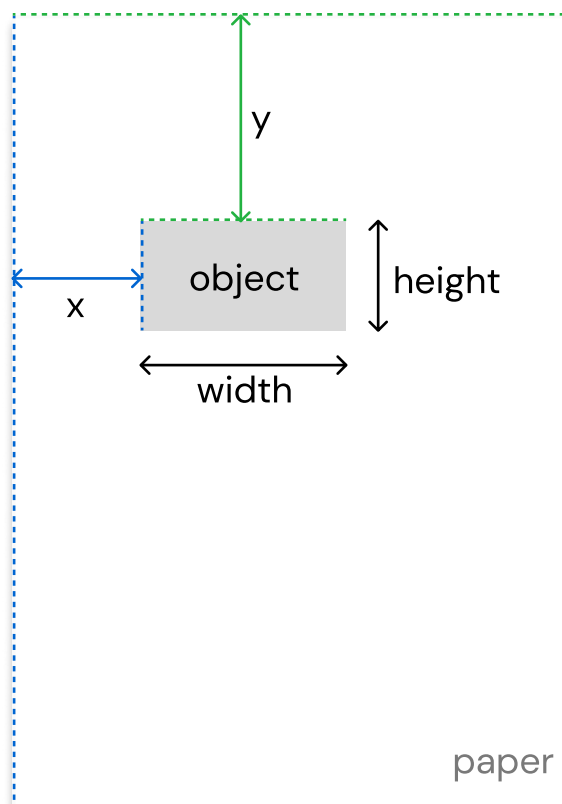6. The *width* and *height* values cannot be zero, but *x* and *y* can.

Image Size

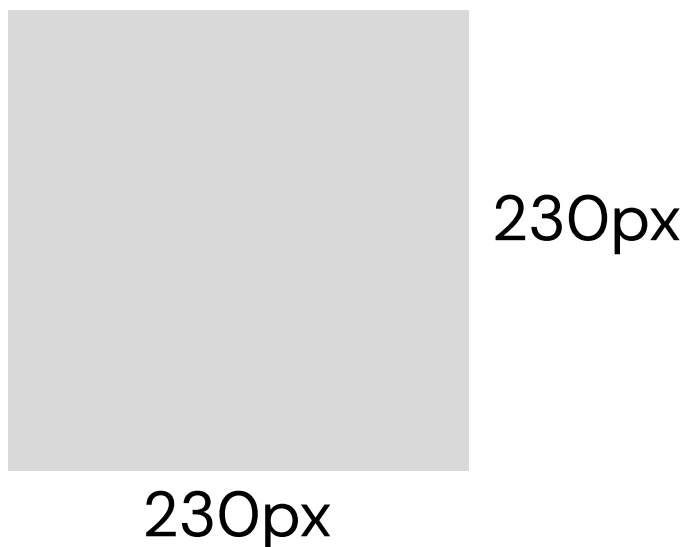## Signature

Any size can be used as long as it has a ratio of **43:23 (1.86)**.
Recommended size is: **430px x 230px (322.5pt x 172.5pt)**.

230px

430px

Initial and Seal

Any size can be used as long as it has a ratio of **1:1 (1)**.
Recommended size is: **230px x 230px (172.5pt x 172.5pt)**.

230px

230px

Object Size

Paper Size

All objects in this test page are calculated based on papersize: **A4 Portrait**, with resolution **96ppi (793px x 1122px)**.

Object Size

1. The recommended object size is **0.460465116** times the original image size.
   ex:
   – **198px x 106px (148.5pt x 79.5pt)** for Signature
   – **106px x 106px (79.5pt x 79.5pt)** for Initial and Seal
2. Minimum object size when resized is **half** the original object size.
   ex:
   – **99px x 53px (74.25pt x 39.75pt)** for Signature
   – **53px x 53px (39.75pt x 39.75pt)** for Initial and Seal
3. Maximum object size when resized is **twice** the original object size.
   ex:
   – **396px x 212px (297pt x 159pt)** for Signature
   – **212px x 212px (159pt x 159pt)** for Initial and Seal

Other Size

1. E-materai size is: **118.79px x 118.79px (89.09pt x 89.09pt)** not resizeable
2. QRCode size is: **100px x 100px (75pt x 75pt)** not resizeable, not moveable and has margin: **48px (36pt)** from all paper sides.

Guide

How to test

1. Upload and open this file with your viewer.
2. Insert the object with coordinate and size written on test-page (page 6-11).
3. Make sure the object at right position, and has correct size (±4px is tolerated).
4. Repeat with others coordinate and size.

FAQ

1. How to convert pixels (px) to points (pt) or vice-versa? Original formula is:

```
points = pixels*(72/ppi)
pixels = points*(ppi/72)
```
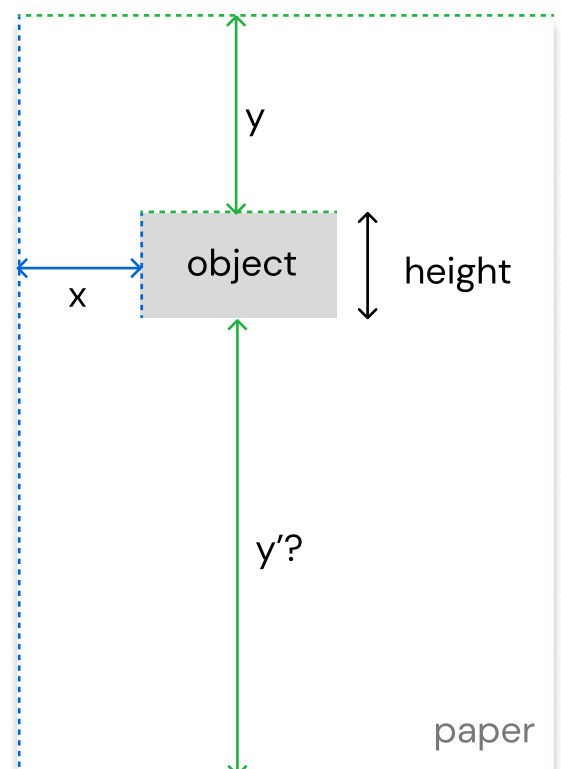
   Because this document uses a resolution **96ppi**. It can be simplified like this:

```
points = pixels*0.75
pixels = points/0.75
```

2. How to convert to bottom-left origin? You can use following formula:

```
x'= x (nothing change)
y'= paperHeight - (y+objectHeight)
```

placehere

x:0   w:198
y:0   h:106

placehere

x:596   w:198
y:0   h:106

Test 1.1: Corner

Page: 6

x:0   w:198
y:1017.333 h:106

placehere

x:596   w:198
y:1017.333 h:106

placehere

place
here

x:0   w:106
y:0   h:106

place
here

x:688   w:106
y:0   h:106

Test 1.2: Corner

Page: 7

x:0   w:106
y:1017.333 h:106
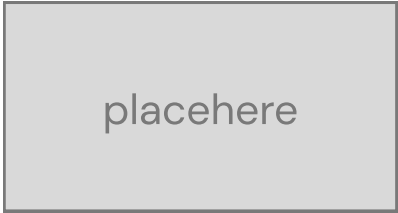
place
here

x:688   w:106
y:1017.333 h:106

place
here

placehere

x:100   w:198
y:100   h:106
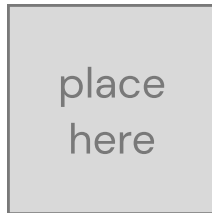
placehere

x:400   w:198
y:300   h:106

Test 2.1: Random
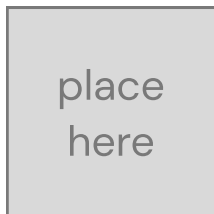
Page: 8

placehere

x:200   w:198
y:600   h:106

placehere

x:400   w:198
y:900   h:106

place
here

x:100   w:106
y:100   h:106

place
here

x:400   w:106
y:300   h:106

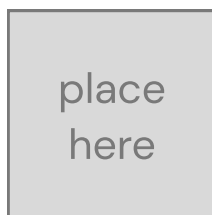# Test 2.2: Random

place
here

x:200   w:106
y:600   h:106

place
here

x:400   w:106
y:900   h:106

placehere

x:50   w:99
y:100   h:53

place
here

x:50   w:53
y:250   h:53

Test 3: Resize
Page: 10

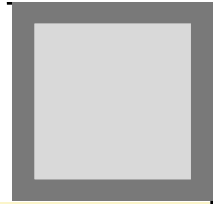E-materai

x:400   w:118.79
y:400   h:118.79

placehere

x:50   w:396
y:700   h:212

place
here

x:500   w:212
y:700   h:212

x:48　　　　　w:100
y:48　　　　　h:100

x:645　　　　w:100
y:48　　　　　h:100

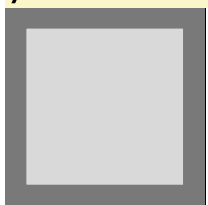# Test 4: QRCode
Page: 11

x:48　　　　　w:100
y:974　　　　h:100

x:645　　　　w:100
y:974　　　　h:100