

Converting Colors

XYZ(13.3801, 11.6699, 50.9819)

Have a look what the booklet for
XYZ(13.3801, 11.6699, 50.9819)
contains.

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Color

**XYZ(13.3183, 11.5903,
50.8254)**

Conversions

Conversions Part 1

Format	Color
Hex	005DBF
RGB	0, 93, 191
RGB Percent	0%, 36%, 75%
CMY	0.9999, 0.6353, 0.2510
CMYK	1.00, 0.51, 0.00, 0.25
HSL	211°, 100%, 37%
HSV	211°, 100%, 75%
XYZ	13.3183, 11.5903, 50.8254
YIQ	76.3650, -86.8860, 10.7620

Conversions

Conversions Part 2

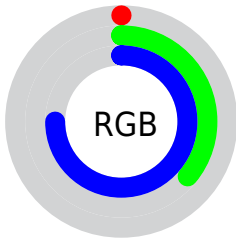
Format	Color
R_{YB}	0, 63, 191
Decimal	23999
CIE _{Lab}	40.56, 15.92, -57.63
CIE _{LCh}	41, 59.790, 285.441
Yxy	11.5903, 0.1759, 0.1530
Android (android.graphics.Color)	4278214079 (0xFF005DBF)
YUV	76.3650, 56.5151, -66.9721
Hunter-Lab	34.0445, 10.2517, -64.6834

Details

The XYZ color **13.3183, 11.5903, 50.8254** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **25.8574, 19.8189, 2.4637**, and the grayscale version is **6.8496, 7.2063, 7.8476**.

A 20% lighter version of the original color is **31.4851, 28.8551, 92.7171**, and **5.6137, 4.0028, 24.1436** is the 20% darker color. If you saturate the color by 10%, you get **13.3167, 11.5870, 50.8251**, and if you desaturate by 10%, it is **14.5059, 13.5626, 51.1438**.

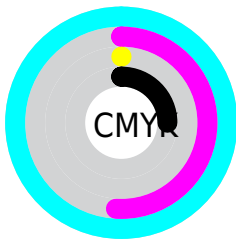
Distribution



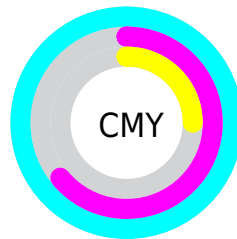
- Red (0%)
- Green (36%)
- Blue (75%)



- Red (0%)
- Yellow (25%)
- Blue (75%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (64%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3183, 11.5903, 50.8254 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.3183, 11.5903, 50.8254 by changing the saturation by 10% instead.

■ 13.3183, 11.5903,
50.8254

■ 13.3183, 11.5903,
50.8254

206.5443,
201.6738, 406.7122

■ 7.7266, 6.4654,
35.6939

■ 31.4709, 28.7467,
92.8055

■ 3.9708, 3.1301,
23.9101

■ 44.7626, 41.5469,
120.4912

■ 1.6856, 1.2000,
15.0553

■ 61.3515, 57.6744,
153.1987

■ 0.4473, 0.0617,
8.7112

■ 81.6032, 77.5134,
191.3465

■ 0.0000, 0.0000,
4.4590

■ 105.8830,
101.4485, 235.3532

■ 0.0000, 0.0000,
1.8804

■ 134.5562,

■ 0.0000, 0.0000,

129.8640, 285.6374

0.4802

167.9882,
163.1443, 342.6176

■ 0.0000, 0.0000,
0.0000

■ 13.3183, 11.5903,
50.8254

■ 13.3183, 11.5903,
50.8254

■ 13.3167, 11.5870,
50.8251

■ 14.5059, 13.5626,
51.1438

■ 16.0732, 15.9003,
51.5124

■ 18.1202, 18.6604,
51.9373

■ 20.6989, 21.8751,
52.4219

■ 23.8538, 25.5723,
52.9692

■ 27.6244, 29.7774,
53.5821

■ 32.0462, 34.5132,
54.2632

■ 37.1518, 39.8012,
55.0148

■ 42.9718, 45.6615,
55.8392

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9.1017, 11.5903, 51.0599



13.3183, 11.5903, 50.8254



17.8597, 11.5903, 36.9196

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.3183, 11.5903, 50.8254



17.7382, 11.5903, 2.2534



4.8860, 11.5903, 7.6377

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.3183, 11.5903, 50.8254



25.8574, 19.8189, 2.4637

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.1913, 11.5903, 2.3345



13.3183, 11.5903, 50.8254



13.1820, 11.5903, 0.8429

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.3183, 11.5903, 50.8254



20.8218, 11.5903, 7.3934



8.9960, 11.5903, 0.8596



4.9048, 11.5903, 19.8643

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.3183, 11.5903, 50.8254



20.1553, 11.5903, 24.9358



8.9960, 11.5903, 0.8596



5.1662, 11.5903, 5.2215

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.3189, 11.5906, 50.8257



56.9747, 61.3708, 97.1220



20.7206, 38.0977, 17.2121



11.7422, 12.6598, 21.2100



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3189, 11.5906, 50.8257



23.6088, 20.2695, 90.9472



9.4049, 3.7627, 49.5211



9.3895, 9.9714, 12.1020



8.8316, 7.7749, 33.4281



0.4114, 0.4356, 1.3312

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.4622, 11.8676, 11.4101



41.8966, 21.2040, 19.7855



40.1171, 48.3383, 7.2169



9.7185, 9.6117, 10.9065



15.4585, 7.8146, 7.7083



0.6386, 0.3193, 0.4761

Previews

White Background



This preview shows how the XYZ color 13.3183, 11.5903, 50.8254 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.3183, 11.5903, 50.8254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

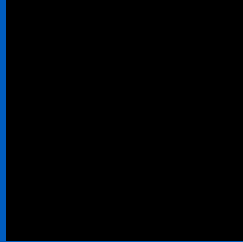
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3183, 11.5903, 50.8254

Background



This preview shows how black text looks on a background with the XYZ color 13.3183, 11.5903, 50.8254.



This preview shows how white text looks on a background with the XYZ color 13.3183, 11.5903,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.3183, 11.5903, 50.8254

Protanopia

13.6865, 11.6633, 50.2451

Deuteranopia

11.5291, 11.5999, 39.1675



Tritanopia

8.1347, 11.5003, 17.4138

Trichromacy



Original Color

13.3183, 11.5903, 50.8254

Protanomaly

13.4099, 11.5207, 50.2321

Deuteranomaly

12.1187, 11.5401, 43.1837

Tritanomaly

9.4614, 11.2304, 26.8683

Monochromacy



Original Color

13.3183, 11.5903, 50.8254

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.5062, 7.9710, 18.2825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3183, 11.5903, 50.8254 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 93, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 93, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 191) }
```

Border

The CSS property to change the border of an element to XYZ 13.3183, 11.5903, 50.8254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 93, 191) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 93, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 93, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3183, 11.5903, 50.8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 93,  
191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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