

Converting Colors

XYZ(13.0687, 11.9523, 48.0719)

Have a look what the booklet for
XYZ(13.0687, 11.9523, 48.0719)
contains.

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Color

**XYZ(13.0458, 11.9109,
48.0658)**

Conversions

Conversions Part 1

Format	Color
Hex	0060BA
RGB	0, 96, 186
RGB Percent	0%, 38%, 73%
CMY	0.9998, 0.6235, 0.2706
CMYK	1.00, 0.48, 0.00, 0.27
HSL	209°, 100%, 36%
HSV	209°, 100%, 73%
XYZ	13.0458, 11.9109, 48.0658
YIQ	77.5560, -86.1060, 7.6380

Conversions

Conversions Part 2

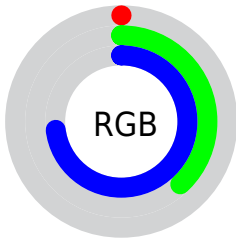
Format	Color
RYB	0, 63, 186
Decimal	24762
CIELab	41.07, 11.91, -53.88
CIELCh	41, 55.181, 282.463
Yxy	11.9109, 0.1787, 0.1631
Android (android.graphics.Color)	4278214842 (0xFF0060BA)
YUV	77.5560, 53.4629, -68.0166
Hunter-Lab	34.5122, 7.0777, -58.4159

Details

The XYZ color **13.0458, 11.9109, 48.0658** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.9095, 17.7582, 2.1686**, and the grayscale version is **7.0748, 7.4433, 8.1057**.

A 20% lighter version of the original color is **31.0726, 29.4085, 88.8327**, and **5.3487, 4.0336, 22.3265** is the 20% darker color. If you saturate the color by 10%, you get **13.0442, 11.9076, 48.0655**, and if you desaturate by 10%, it is **14.1763, 13.7836, 48.3680**.

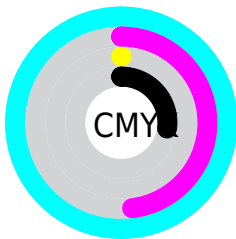
Distribution



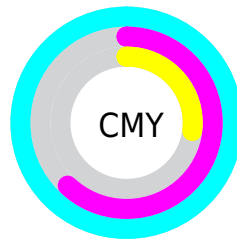
- Red (0%)
- Green (38%)
- Blue (73%)



- Red (0%)
- Yellow (25%)
- Blue (73%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (62%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0458, 11.9109, 48.0658 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 13.0458, 11.9109, 48.0658 by changing the saturation by 10% instead.

■ 13.0458, 11.9109,
48.0658

■ 13.0458, 11.9109,
48.0658

204.8427,
203.8145, 395.5691

■ 7.5373, 6.6830,
33.5186

■ 30.9867, 29.3327,
88.6689

■ 3.8496, 3.2647,
22.2497

■ 44.1497, 42.2955,
115.5620

■ 1.6174, 1.2714,
13.8404

■ 60.5950, 58.6053,
147.4074

■ 0.4037, 0.1189,
7.8723

■ 80.6880, 78.6466,
184.6238

■ 0.0000, 0.0000,
3.9267

■ 104.7938,
102.8038, 227.6296

■ 0.0000, 0.0000,
1.5852

■ 133.2780,

■ 0.0000, 0.0000,

131.4613, 276.8434

0.2802

166.5058,
165.0034, 332.6837

■ 0.0000, 0.0000,
0.0000

■ 13.0458, 11.9109,
48.0658

■ 13.0458, 11.9109,
48.0658

■ 13.0442, 11.9076,
48.0655

■ 14.1763, 13.7836,
48.3680

■ 15.6523, 15.9785,
48.7138

■ 17.5686, 18.5487,
49.1089

■ 19.9733, 21.5232,
49.5563

■ 22.9074, 24.9270,
50.0587

■ 26.4074, 28.7827,
50.6184

■ 30.5061, 33.1109,
51.2378

■ 35.2336, 37.9306,
51.9190

■ 40.6178, 43.2597,
52.6638

Harmonies

Analogous

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



9.1771, 11.9109, 46.8783



13.0458, 11.9109, 48.0658



17.2820, 11.9109, 36.6404

Triad

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



13.0458, 11.9109, 48.0658



17.9221, 11.9109, 3.1122



5.4999, 11.9109, 7.4430

Complementary

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



13.0458, 11.9109, 48.0658



23.9095, 17.7582, 2.1686

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.



6.9175, 11.9109, 2.6140



13.0458, 11.9109, 48.0658



13.7751, 11.9109, 1.3065

Square

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



13.0458, 11.9109, 48.0658



20.5076, 11.9109, 8.8075



9.7553, 11.9109, 1.2012



5.3927, 11.9109, 18.2699

Rectangle

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



13.0458, 11.9109, 48.0658



19.5085, 11.9109, 25.8968



9.7553, 11.9109, 1.2012



5.8204, 11.9109, 5.2712

Sweetspot

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



13.0464, 11.9112, 48.0661



54.8820, 59.5877, 92.8104



19.4016, 35.8551, 15.5532



11.3681, 12.3708, 20.3312



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



13.0464, 11.9112, 48.0661



23.3992, 21.0950, 87.0399



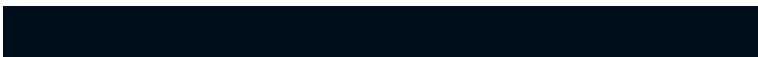
8.8975, 3.6136, 46.6832



8.8941, 9.4653, 11.4377



8.8510, 8.1618, 32.3619



0.3737, 0.4111, 1.1614

Inverse Universe

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



22.3616, 11.2845, 12.0659



40.4060, 20.4024, 21.2131



37.1631, 44.2655, 6.5865



9.1929, 9.0875, 10.3631



15.0813, 7.6063, 8.3148



0.5628, 0.2806, 0.4570

Previews

White Background



This preview shows how the XYZ color 13.0458, 11.9109, 48.0658 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 13.0458, 11.9109, 48.0658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

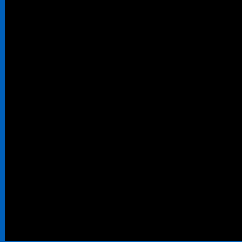
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0458, 11.9109, 48.0658

Background



This preview shows how black text looks on a background with the XYZ color 13.0458, 11.9109, 48.0658.



This preview shows how white text looks on a background with the XYZ color 13.0458, 11.9109,

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

13.0458, 11.9109, 48.0658

Protanopia

13.8267, 12.0704, 46.9485

Deuteranopia

12.0047, 11.9408, 41.2073



Tritanopia

8.4571, 11.9629, 18.0830

Trichromacy



Original Color

13.0458, 11.9109, 48.0658

Protanomaly

13.3846, 11.9632, 47.5026

Deuteranomaly

12.4036, 11.9497, 43.7723

Tritanomaly

9.7580, 11.8237, 26.9672

Monochromacy



Original Color

13.0458, 11.9109, 48.0658

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.7748, 8.4595, 18.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0458, 11.9109, 48.0658 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, 96, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 186)  
}
```

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, 96, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 186) }
```

Border

The CSS property to change the border of an element to XYZ 13.0458, 11.9109, 48.0658 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, 96, 186) }
```


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

```
.border{ border-color:rgb(0, 96, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 96, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 186)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0458, 11.9109, 48.0658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 186) }
```

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

```
.background{ background-color: rgb(0, 96,  
186) }
```

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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