

Converting Colors

XYZ(11.0754, 12.0118, 49.0117)

Have a look what the booklet for
XYZ(11.0754, 12.0118, 49.0117)
contains.

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Color

**XYZ(13.9200, 13.4885,
48.8836)**

Conversions

Conversions Part 1

Format	Color
Hex	0068BB
RGB	0, 104, 187
RGB Percent	0%, 41%, 73%
CMY	0.9998, 0.5922, 0.2667
CMYK	1.00, 0.44, 0.00, 0.27
HSL	207°, 100%, 37%
HSV	207°, 100%, 73%
XYZ	13.9200, 13.4885, 48.8836
YIQ	82.3660, -88.6270, 3.7650

Conversions

Conversions Part 2

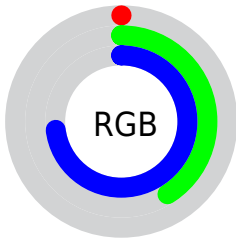
Format	Color
RYB	0, 67, 187
Decimal	26811
CIELab	43.49, 7.13, -50.57
CIELCh	43, 51.074, 278.026
Yxy	13.4885, 0.1825, 0.1768
Android (android.graphics.Color)	4278216891 (0xFF0068BB)
YUV	82.3660, 51.5846, -72.2350
Hunter-Lab	36.7267, 3.3826, -53.2069

Details

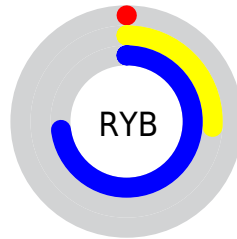
The XYZ color **13.9200, 13.4885, 48.8836** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.5903, 16.7579, 1.9924**, and the grayscale version is **8.0085, 8.4256, 9.1755**.

A 20% lighter version of the original color is **32.6666, 32.3540, 90.1112**, and **5.7467, 4.7196, 22.7984** is the 20% darker color. If you saturate the color by 10%, you get **13.9182, 13.4849, 48.8833**, and if you desaturate by 10%, it is **15.0608, 15.3789, 49.1887**.

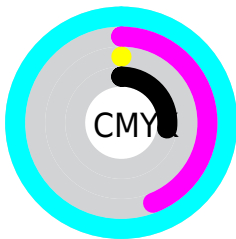
Distribution



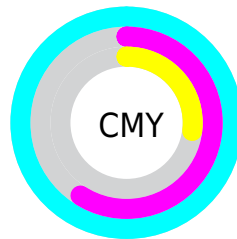
- Red (0%)
- Green (41%)
- Blue (73%)



- Red (0%)
- Yellow (26%)
- Blue (73%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9200, 13.4885, 48.8836 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 13.9200, 13.4885, 48.8836 by changing the saturation by 10% instead.

■ 13.9200, 13.4885,
48.8836

■ 13.9200, 13.4885,
48.8836

210.2532,
214.0251, 398.8932

■ 8.1464, 7.7658,
34.1622

■ 32.5345, 32.1786,
89.8977

■ 4.2413, 3.9454,
22.7399

■ 46.1060, 45.9149,
117.0276

■ 1.8396, 1.6431,
14.1981

■ 63.0076, 63.0910,
149.1306

■ 0.5413, 0.3864,
8.1182

■ 83.6045, 84.0916,
186.6255

■ 0.0000, 0.0000,
4.0818

■ 108.2622,
109.3009, 229.9306

■ 0.0000, 0.0000,
1.6703

■ 137.3460,

■ 0.0000, 0.0000,

139.1033, 279.4645

0.3403

171.2212,
173.8832, 335.6459

■ 0.0000, 0.0000,
0.0000

■ 13.9200, 13.4885,
48.8836

■ 13.9200, 13.4885,
48.8836

■ 13.9182, 13.4849,
48.8833

■ 15.0608, 15.3789,
49.1887

■ 16.5380, 17.5682,
49.5334

■ 18.4464, 20.1085,
49.9231

■ 20.8343, 23.0279,
50.3608

■ 23.7425, 26.3504,
50.8488

■ 27.2072, 30.0976,
51.3895

■ 31.2612, 34.2892,
51.9849

■ 35.9344, 38.9435,
52.6369

■ 41.2546, 44.0773,
53.3475

Harmonies

Analogous

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



10.1622, 13.4885, 45.8735



13.9200, 13.4885, 48.8836



18.1422, 13.4885, 39.6346

Triad

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



13.9200, 13.4885, 48.8836



19.8513, 13.4885, 4.8934



6.9477, 13.4885, 7.9118

Complementary

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



13.9200, 13.4885, 48.8836



23.5903, 16.7579, 1.9924

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.



8.6567, 13.4885, 3.2969



13.9200, 13.4885, 48.8836



15.9059, 13.4885, 2.2899

Square

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



13.9200, 13.4885, 48.8836



22.0005, 13.4885, 11.8315



11.7803, 13.4885, 1.9132



6.6325, 13.4885, 17.9677

Rectangle

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



13.9200, 13.4885, 48.8836



20.4787, 13.4885, 29.6371



11.7803, 13.4885, 1.9132



7.3581, 13.4885, 5.8630

Sweetspot

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



13.9206, 13.4889, 48.8840



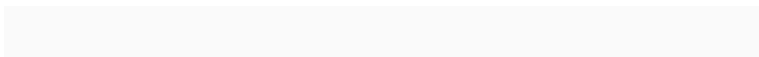
55.5936, 61.0109, 93.0476



19.2583, 36.1361, 13.7558



11.5413, 12.7173, 20.3890



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.



13.9206, 13.4889, 48.8840



24.6873, 23.6712, 87.4692



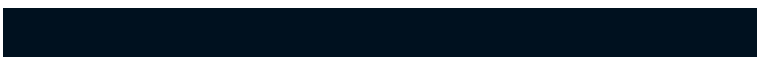
9.1079, 3.8635, 47.2797



9.4445, 10.0813, 12.1203



9.6627, 9.4370, 33.7052



0.4428, 0.4982, 1.3417

Inverse Universe

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



22.9928, 11.5653, 14.1173



41.0561, 20.6624, 24.6367



35.7338, 41.0449, 6.0403



9.7462, 9.6228, 11.0526



15.8780, 7.9824, 9.9173



0.6544, 0.3257, 0.5593

Previews

White Background



This preview shows how the XYZ color 13.9200, 13.4885, 48.8836 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 13.9200, 13.4885, 48.8836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

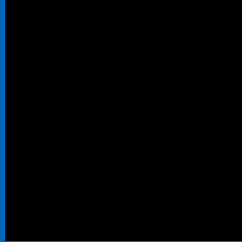
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9200, 13.4885, 48.8836

Background



This preview shows how black text looks on a background with the XYZ color 13.9200, 13.4885, 48.8836.



This preview shows how white text looks on a background with the XYZ color 13.9200, 13.4885,

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

13.9200, 13.4885, 48.8836

Protanopia

15.1543, 13.5900, 46.6242

Deuteranopia

13.7073, 13.4034, 47.7636



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

13.9200, 13.4885, 48.8836

Protanomaly

14.1805, 13.2192, 47.1516

Deuteranomaly

13.8132, 13.4458, 48.3216

Tritanomaly

10.7642, 13.2272, 29.1799

Monochromacy



Original Color

13.9200, 13.4885, 48.8836

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.4625, 9.3985, 19.1374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9200, 13.4885, 48.8836 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, 104, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 187)  
}
```

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, 104, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 187) }
```

Border

The CSS property to change the border of an element to XYZ 13.9200, 13.4885, 48.8836 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, 104, 187) }
```


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

```
.border{ border-color:rgb(0, 104, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 104, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9200, 13.4885, 48.8836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 187) }
```

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

```
.background{ background-color: rgb(0, 104,  
187) }
```

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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