

Converting Colors

XYZ(10.4406, 11.9025, 46.8041)

Have a look what the booklet for
XYZ(10.4406, 11.9025, 46.8041)
contains.

XYZ(13.5988, 13.5220, 46.6930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.5988, 13.5220,
46.6930)**

Conversions

Conversions Part 1

Format	Color
Hex	0069B7
RGB	0, 105, 183
RGB Percent	0%, 41%, 72%
CMY	0.9999, 0.5882, 0.2824
CMYK	1.00, 0.43, 0.00, 0.28
HSL	206°, 100%, 36%
HSV	206°, 100%, 72%
XYZ	13.5988, 13.5220, 46.6930
YIQ	82.4970, -87.6180, 1.9980

Conversions

Conversions Part 2

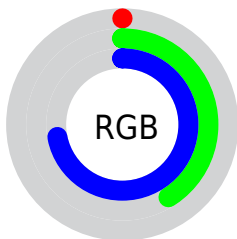
Format	Color
RYB	0, 67, 183
Decimal	27063
CIELab	43.54, 4.88, -48.17
CIELCh	44, 48.412, 275.780
Yxy	13.5220, 0.1842, 0.1832
Android (android.graphics.Color)	4278217143 (0xFF0069B7)
YUV	82.4970, 49.5480, -72.3499
Hunter-Lab	36.7723, 1.6598, -49.5452

Details

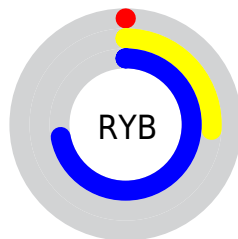
The XYZ color **13.5988, 13.5220, 46.6930** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **22.2558, 15.5215, 1.8240**, and the grayscale version is **8.0383, 8.4569, 9.2096**.

A 20% lighter version of the original color is **32.1308, 32.3954, 86.9975**, and **5.5264, 4.7129, 21.3873** is the 20% darker color. If you saturate the color by 10%, you get **13.5973, 13.5189, 46.6928**, and if you desaturate by 10%, it is **14.6862, 15.3169, 46.9825**.

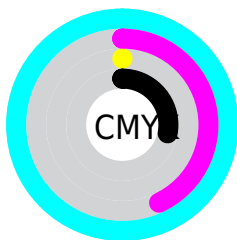
Distribution



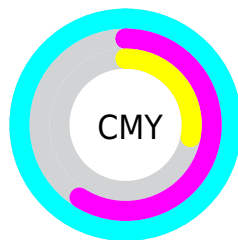
- Red (0%)
- Green (41%)
- Blue (72%)



- Red (0%)
- Yellow (26%)
- Blue (72%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (59%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5988, 13.5220, 46.6930 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 13.5988, 13.5220, 46.6930 by changing the saturation by 10% instead.

■ 13.5988, 13.5220,
46.6930

■ 13.5988, 13.5220,
46.6930

208.2814,
214.2365, 389.9460

■ 7.9220, 7.7890,
32.4404

■ 31.9677, 32.2384,
86.6004

■ 4.0965, 3.9602,
21.4305

■ 45.3905, 45.9907,
113.0922

■ 1.7568, 1.6513,
13.2448

■ 62.1260, 63.1847,
144.5009

■ 0.4915, 0.3918,
7.4646

■ 82.5395, 84.2050,
181.2450

■ 0.0000, 0.0000,
3.6715

■ 106.9965,
109.4360, 223.7430

■ 0.0000, 0.0000,
1.4469

■ 135.8622,

■ 0.0000, 0.0000,

139.2619, 272.4135

0.1779

169.5021,
174.0673, 327.6750

■ 0.0000, 0.0000,
0.0000

■ 13.5988, 13.5220,
46.6930

■ 13.5988, 13.5220,
46.6930

■ 13.5973, 13.5189,
46.6928

■ 14.6862, 15.3169,
46.9825

■ 16.0866, 17.3841,
47.3077

■ 17.8915, 19.7736,
47.6738

■ 20.1463, 22.5113,
48.0833

■ 22.8894, 25.6195,
48.5387

■ 26.1549, 29.1183,
49.0419

■ 29.9736, 33.0259,
49.5949

■ 34.3738, 37.3591,
50.1994

■ 39.3816, 42.1337,
50.8570

Harmonies

Analogous

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



10.0934, 13.5220, 43.0622



13.5988, 13.5220, 46.6930



17.5912, 13.5220, 38.9125

Triad

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



13.5988, 13.5220, 46.6930



19.7021, 13.5220, 5.5935



7.2947, 13.5220, 7.7243

Complementary

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



13.5988, 13.5220, 46.6930



22.2558, 15.5215, 1.8240

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.



9.0514, 13.5220, 3.4650



13.5988, 13.5220, 46.6930



16.0730, 13.5220, 2.7253

Square

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



13.5988, 13.5220, 46.6930



21.5319, 13.5220, 12.7233



12.1335, 13.5220, 2.2018



6.8890, 13.5220, 16.9223

Rectangle

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



13.5988, 13.5220, 46.6930



19.8535, 13.5220, 29.8192



12.1335, 13.5220, 2.2018



7.7273, 13.5220, 5.8409

Sweetspot

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



13.5994, 13.5224, 46.6934



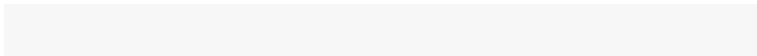
53.3041, 58.7691, 88.7699



18.2480, 34.3930, 12.5639



11.1159, 12.3141, 19.5126



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



13.5994, 13.5224, 46.6934



24.1191, 23.7454, 83.5478



8.7226, 3.7689, 45.0678



8.9373, 9.5518, 11.4521



9.5548, 9.5693, 32.5965



0.3969, 0.4574, 1.1691

Inverse Universe

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



22.0788, 11.0881, 14.3412



39.4226, 19.8093, 25.0567



33.4860, 37.9818, 5.5674



9.2147, 9.0962, 10.4780



15.4365, 7.7484, 10.1854



0.5745, 0.2853, 0.5186

Previews

White Background



This preview shows how the XYZ color 13.5988, 13.5220, 46.6930 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 13.5988, 13.5220, 46.6930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

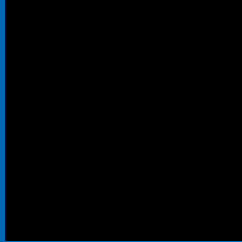
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5988, 13.5220, 46.6930

Background



This preview shows how black text looks on a background with the XYZ color 13.5988, 13.5220, 46.6930.



This preview shows how white text looks on a background with the XYZ color 13.5988, 13.5220,

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

13.5988, 13.5220, 46.6930

Protanopia

14.9769, 13.5576, 43.9470

Deuteranopia

13.8985, 13.5262, 46.6780



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

13.5988, 13.5220, 46.6930

Protanomaly

13.9859, 13.3116, 45.0123

Deuteranomaly

13.7112, 13.4297, 46.6693

Tritanomaly

10.7185, 13.3825, 28.4037

Monochromacy



Original Color

13.5988, 13.5220, 46.6930

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.5391, 9.5710, 18.8501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5988, 13.5220, 46.6930 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, 105, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 183)  
}
```

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, 105, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 183) }
```

Border

The CSS property to change the border of an element to XYZ 13.5988, 13.5220, 46.6930 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, 105, 183) }
```


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

```
.border{ border-color:rgb(0, 105, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5988, 13.5220, 46.6930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 183) }
```

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

```
.background{ background-color: rgb(0, 105,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor