

Converting Colors

XYZ(10.4555, 13.5777, 64.9621)

Have a look what the booklet for
XYZ(10.4555, 13.5777, 64.9621)
contains.

XYZ(18.4887, 17.7610, 65.4045)	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>	30

Color

**XYZ(18.4887, 17.7610,
65.4045)**

Conversions

Conversions Part 1

Format	Color
Hex	0076D5
RGB	0, 118, 213
RGB Percent	0%, 46%, 84%
CMY	0.9998, 0.5373, 0.1647
CMYK	1.00, 0.45, 0.00, 0.16
HSL	207°, 100%, 42%
HSV	207°, 100%, 84%
XYZ	18.4887, 17.7610, 65.4045
YIQ	93.5480, -100.8230, 4.5290

Conversions

Conversions Part 2

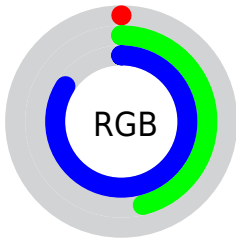
Format	Color
RYB	0, 76, 213
Decimal	30421
CIELab	49.20, 8.65, -56.33
CIELCh	49, 56.989, 278.732
Yxy	17.7610, 0.1819, 0.1747
Android (android.graphics.Color)	4278220501 (0xFF0076D5)
YUV	93.5480, 58.8898, -82.0416
Hunter-Lab	42.1438, 4.5572, -62.5136

Details

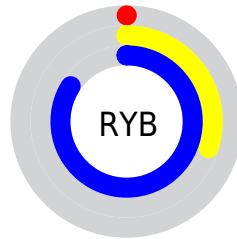
The XYZ color **18.4887, 17.7610, 65.4045** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.5379, 22.3402, 2.6514**, and the grayscale version is **10.4198, 10.9624, 11.9381**.

A 20% lighter version of the original color is **37.7916, 38.7362, 100.0927**, and **8.4248, 6.9751, 33.2500** is the 20% darker color. If you saturate the color by 10%, you get **18.4861, 17.7557, 65.4040**, and if you desaturate by 10%, it is **19.9816, 20.2764, 65.8118**.

Distribution



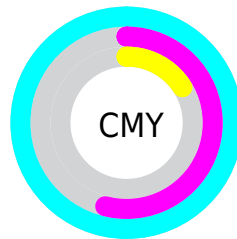
- Red (0%)
- Green (46%)
- Blue (84%)



- Red (0%)
- Yellow (30%)
- Blue (84%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (54%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4887, 17.7610, 65.4045 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 18.4887, 17.7610, 65.4045 by changing the saturation by 10% instead.

■ 18.4887, 17.7610,
65.4045

■ 18.4887, 17.7610,
65.4045

236.6040,
239.5205, 462.5901

■ 11.4032, 10.7785,
47.3357

■ 40.3919, 39.6297,
114.2500

■ 6.4080, 5.9181,
32.9449

■ 55.9403, 55.2846,
145.8639

■ 3.1377, 2.7954,
21.8135

■ 75.0405, 74.5992,
182.8298

■ 1.2270, 1.0258,
13.5229

■ 98.0577, 97.9579,
225.5664

■ 0.1275, 0.0000,
7.6546

■ 125.3573,
125.7449, 274.4922

■ 0.0000, 0.0000,
3.7902

157.3046,

■ 0.0000, 0.0000,

158.3447, 330.0257

1.5110

194.2651,
196.1418, 392.5855

■ 0.0000, 0.0000,
0.2261

■ 0.0000, 0.0000,
0.0000

■ 18.4887, 17.7610,
65.4045

■ 18.4887, 17.7610,
65.4045

■ 18.4861, 17.7557,
65.4040

■ 19.9816, 20.2764,
65.8118

■ 21.9385, 23.2031,
66.2735

■ 24.4789, 26.6072,
66.7967

■ 27.6697, 30.5276,
67.3852

■ 31.5678, 34.9977,
68.0426

■ 36.2231, 40.0475,
68.7720

■ 41.6807, 45.7042,
69.5762

■ 47.9820, 51.9929,
70.4579

■ 55.1653, 58.9370,
71.4196

Harmonies

Analogous

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



13.4237, 17.7610, 61.7305



18.4887, 17.7610, 65.4045



24.1559, 17.7610, 52.5485

Triad

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



18.4887, 17.7610, 65.4045



26.2258, 17.7610, 6.1570



9.0061, 17.7610, 10.5122

Complementary

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



18.4887, 17.7610, 65.4045



31.5379, 22.3402, 2.6514

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.



11.2369, 17.7610, 4.2731



18.4887, 17.7610, 65.4045



20.8869, 17.7610, 2.8402

Square

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



18.4887, 17.7610, 65.4045



29.2013, 17.7610, 15.2088



15.3699, 17.7610, 2.4022



8.6297, 17.7610, 24.1557

Rectangle

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



18.4887, 17.7610, 65.4045



27.2678, 17.7610, 38.9722



15.3699, 17.7610, 2.4022



9.5373, 17.7610, 7.7380

Sweetspot

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



18.4895, 17.7615, 65.4050



62.3477, 68.3896, 104.5222



25.7413, 48.3676, 18.1802



12.5685, 13.8416, 22.2592



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.4895, 17.7615, 65.4050



27.6103, 26.3407, 98.2368



12.1714, 5.1253, 63.2989



12.3072, 13.1378, 15.8247



11.3954, 11.0526, 39.9859



0.7694, 0.8307, 2.4391

Inverse Universe

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



30.7114, 15.4554, 18.5043



46.0656, 23.1902, 27.3413



47.8194, 54.9031, 8.0785



12.7083, 12.5348, 14.4039



18.8107, 9.4606, 11.5734



1.1760, 0.5872, 0.9161

Previews

White Background



This preview shows how the XYZ color 18.4887, 17.7610, 65.4045 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 18.4887, 17.7610, 65.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

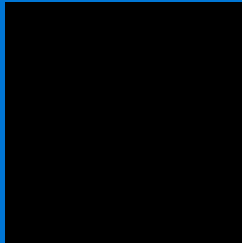
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4887, 17.7610, 65.4045

Background



This preview shows how black text looks on a background with the XYZ color 18.4887, 17.7610, 65.4045.

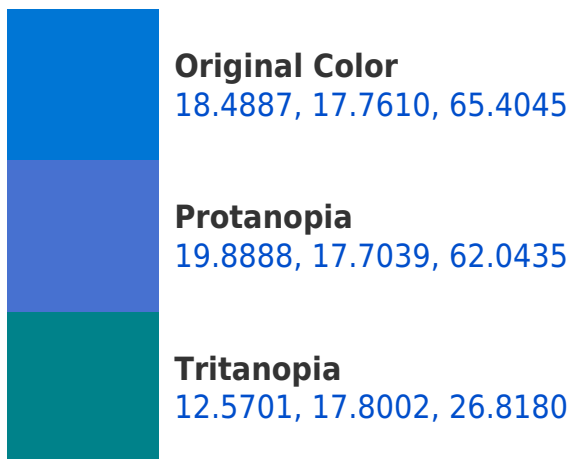


This preview shows how white text looks on a background with the XYZ color 18.4887, 17.7610,

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



Trichromacy



Original Color

18.4887, 17.7610, 65.4045

Protanomaly

18.8458, 17.4725, 63.3520

Tritanomaly

14.2524, 17.6383, 38.2507

Monochromacy



Original Color

18.4887, 17.7610, 65.4045

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.2291, 12.4673, 25.4815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4887, 17.7610, 65.4045 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, 118, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 213)  
}
```

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, 118, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 213) }
```

Border

The CSS property to change the border of an element to XYZ 18.4887, 17.7610, 65.4045 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, 118, 213) }
```

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

```
.border{ border-color:rgb(0, 118, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
213) }
```


Background

The CSS property to change the background color of an element to XYZ 18.4887, 17.7610, 65.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 213) }
```

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

```
.background{ background-color: rgb(0, 118,  
213) }
```

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