

Converting Colors

XYZ(17.8104, 16.1597, 65.9328)

Have a look what the booklet for
XYZ(17.8104, 16.1597, 65.9328)
contains.

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Color

**XYZ(17.8220, 16.2239,
65.8105)**

Conversions

Conversions Part 1

Format	Color
Hex	006FD6
RGB	0, 111, 214
RGB Percent	0%, 44%, 84%
CMY	0.9998, 0.5647, 0.1608
CMYK	1.00, 0.48, 0.00, 0.16
HSL	209°, 100%, 42%
HSV	209°, 100%, 84%
XYZ	17.8220, 16.2239, 65.8105
YIQ	89.5530, -99.2190, 8.5010

Conversions

Conversions Part 2

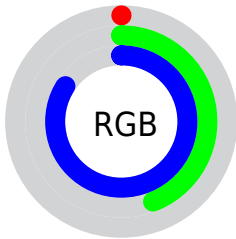
Format	Color
RYB	0, 73, 214
Decimal	28630
CIELab	47.27, 13.48, -60.02
CIELCh	47, 61.514, 282.659
Yxy	16.2239, 0.1785, 0.1625
Android (android.graphics.Color)	4278218710 (0xFF006FD6)
YUV	89.5530, 61.3524, -78.5380
Hunter-Lab	40.2789, 8.4919, -68.6769

Details

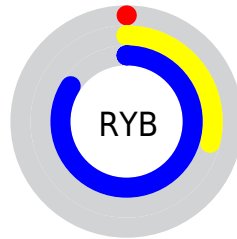
The XYZ color **17.8220, 16.2239, 65.8105** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.5871, 24.0066, 2.9176**, and the grayscale version is **9.5053, 10.0003, 10.8904**.

A 20% lighter version of the original color is **36.3372, 35.8274, 99.6079**, and **8.0619, 6.2492, 33.1291** is the 20% darker color. If you saturate the color by 10%, you get **17.8196, 16.2189, 65.8101**, and if you desaturate by 10%, it is **19.3307, 18.7679, 66.2224**.

Distribution



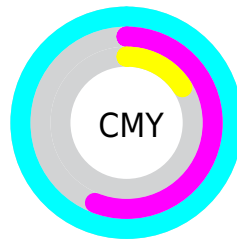
- Red (0%)
- Green (44%)
- Blue (84%)



- Red (0%)
- Yellow (29%)
- Blue (84%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8220, 16.2239, 65.8105 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 17.8220, 16.2239, 65.8105 by changing the saturation by 10% instead.

■ 17.8220, 16.2239,
65.8105

■ 17.8220, 16.2239,
65.8105

232.9309,
230.6593, 464.0846

■ 10.9212, 9.6827,
47.6631

■ 39.2662, 36.9865,
114.8387

■ 6.0808, 5.1891,
33.2021

■ 54.5404, 51.9767,
146.5566

■ 2.9354, 2.3586,
22.0089

■ 73.3363, 70.5520,
183.6350

■ 1.1197, 0.8045,
13.6651

■ 96.0195, 93.0968,
226.4926

■ 0.0415, 0.0000,
7.7520

■ 122.9551,
119.9956, 275.5477

■ 0.0000, 0.0000,
3.8512

154.5087,

■ 0.0000, 0.0000,

151.6326, 331.2191

1.5441

191.0455,
188.3924, 393.9252

■ 0.0000, 0.0000,
0.2504

■ 0.0000, 0.0000,
0.0000

■ 17.8220, 16.2239,
65.8105

■ 17.8220, 16.2239,
65.8105

■ 17.8196, 16.2189,
65.8101

■ 19.3307, 18.7679,
66.2224

■ 21.3254, 21.7610,
66.6950

■ 23.9275, 25.2719,
67.2355

■ 27.2055, 29.3415,
67.8483

■ 31.2177, 34.0054,
68.5370

■ 36.0155, 39.2952,
69.3052

■ 41.6452, 45.2400,
70.1560

■ 48.1494, 51.8666,
71.0922

■ 55.5674, 59.2000,
72.1167

Harmonies

Analogous

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



12.5144, 16.2239, 64.3033



17.8220, 16.2239, 65.8105



23.6274, 16.2239, 50.0175

Triad

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



17.8220, 16.2239, 65.8105



24.4378, 16.2239, 4.1668



7.4503, 16.2239, 10.1707

Complementary

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



17.8220, 16.2239, 65.8105



32.5871, 24.0066, 2.9176

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.



9.3750, 16.2239, 3.5418



17.8220, 16.2239, 65.8105



18.7445, 16.2239, 1.7386

Square

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



17.8220, 16.2239, 65.8105



28.0070, 16.2239, 11.8919



13.2447, 16.2239, 1.6074



7.3153, 16.2239, 25.0569

Rectangle

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



17.8220, 16.2239, 65.8105



26.6711, 16.2239, 35.2533



13.2447, 16.2239, 1.6074



7.8842, 16.2239, 7.1872

Sweetspot

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



17.8228, 16.2243, 65.8109



61.6410, 66.9761, 104.2866



26.3424, 49.0118, 20.1013



12.4011, 13.5068, 22.2034



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.



17.8228, 16.2243, 65.8109



26.3336, 23.7873, 97.8112



12.2162, 5.0113, 63.9421



12.2700, 13.0634, 15.8123



10.8756, 10.0129, 39.8126



0.7387, 0.7694, 2.4289

Inverse Universe

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



30.6015, 15.4450, 16.4073



45.4212, 22.9325, 23.9479



50.0130, 58.8584, 8.7262



12.6895, 12.5273, 14.3050



18.5483, 9.3557, 10.1915



1.1605, 0.5810, 0.8346

Previews

White Background



This preview shows how the XYZ color 17.8220, 16.2239, 65.8105 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 17.8220, 16.2239, 65.8105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

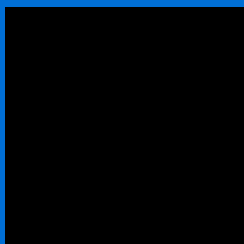
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

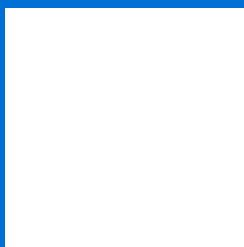
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8220, 16.2239, 65.8105

Background



This preview shows how black text looks on a background with the XYZ color 17.8220, 16.2239, 65.8105.



This preview shows how white text looks on a background with the XYZ color 17.8220, 16.2239,

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

17.8220, 16.2239, 65.8105

Protanopia

18.6960, 16.2405, 63.7774

Deuteranopia

16.3261, 16.1581, 56.2912



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

17.8220, 16.2239, 65.8105

Protanomaly

18.0454, 16.0481, 64.4338

Deuteranomaly

16.8042, 16.1699, 59.3622

Tritanomaly

13.1184, 15.8023, 36.5412

Monochromacy



Original Color

17.8220, 16.2239, 65.8105

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.4282, 11.3545, 24.5637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8220, 16.2239, 65.8105 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, 111, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 214)  
}
```

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, 111, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 214) }
```

Border

The CSS property to change the border of an element to XYZ 17.8220, 16.2239, 65.8105 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, 111, 214) }
```


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

```
.border{ border-color:rgb(0, 111, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 111, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8220, 16.2239, 65.8105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 214) }
```

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

```
.background{ background-color: rgb(0, 111,  
214) }
```

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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