

Converting Colors

XYZ(17.5930, 15.5653, 64.7983)

Have a look what the booklet for
XYZ(17.5930, 15.5653, 64.7983)
contains.

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Color

**XYZ(17.5988, 15.4901,
65.0131)**

Conversions

Conversions Part 1

Format	Color
Hex	166BD5
RGB	22, 107, 213
RGB Percent	9%, 42%, 84%
CMY	0.9136, 0.5804, 0.1647
CMYK	0.90, 0.50, 0.00, 0.16
HSL	213°, 81%, 46%
HSV	213°, 90%, 84%
XYZ	17.5988, 15.4901, 65.0131
YIQ	93.6690, -84.6860, 14.9460

Conversions

Conversions Part 2

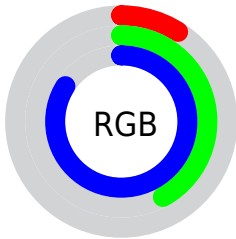
Format	Color
RYB	22, 81, 213
Decimal	1469397
CIELab	46.30, 16.46, -61.00
CIElCh	46, 63.183, 285.096
Yxy	15.4901, 0.1794, 0.1579
Android (android.graphics.Color)	4279659477 (0xFF166BD5)
YUV	93.6690, 58.8302, -62.8537
Hunter-Lab	39.3575, 10.9412, -70.3887

Details

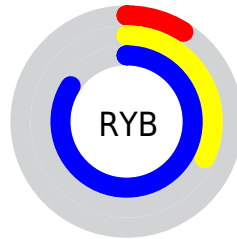
The XYZ color **17.5988, 15.4901, 65.0131** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.3085, 29.6496, 4.6224**, and the grayscale version is **10.4437, 10.9876, 11.9655**.

A 20% lighter version of the original color is **36.2207, 34.7379, 99.4038**, and **7.7545, 5.7718, 32.6036** is the 20% darker color. If you saturate the color by 10%, you get **16.1277, 13.0253, 64.6153**, and if you desaturate by 10%, it is **19.5961, 18.4764, 65.4846**.

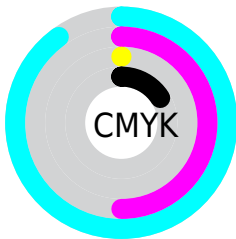
Distribution



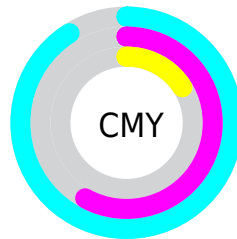
- Red (9%)
- Green (42%)
- Blue (84%)



- Red (9%)
- Yellow (32%)
- Blue (84%)



- Cyan (90%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)



- Cyan (91%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5988, 15.4901, 65.0131 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 17.5988, 15.4901, 65.0131 by changing the saturation by 10% instead.

■ 17.5988, 15.4901,
65.0131

■ 17.5988, 15.4901,
65.0131

231.6894,
226.3138, 461.1465

■ 10.7603, 9.1641,
47.0203

■ 38.8880, 35.7107,
113.6821

■ 5.9720, 4.8484,
32.6972

■ 54.0693, 50.3741,
145.1955

■ 2.8685, 2.1586,
21.6254

■ 72.7623, 68.5853,
182.0527

■ 1.0846, 0.6973,
13.3862

■ 95.3323, 90.7288,
224.6724

■ 0.0122, 0.0000,
7.5612

■ 122.1446,
117.1891, 273.4731

■ 0.0000, 0.0000,
3.7318

153.5647,

■ 0.0000, 0.0000,

148.3504, 328.8733

1.4794

189.9579,
184.5972, 391.2916

■ 0.0000, 0.0000,
0.2025

■ 0.0000, 0.0000,
0.0000

■ 17.5988, 15.4901,
65.0131

■ 17.5988, 15.4901,
65.0131

■ 16.1277, 13.0253,
64.6153

■ 19.5961, 18.4764,
65.4846

■ 16.0822, 12.9480,
64.6027

■ 22.2345, 22.0529,
66.0359

■ 25.5842, 26.2648,
66.6723

■ 29.7047, 31.1514,
67.3984

■ 34.6488, 36.7481,
68.2181

■ 40.4639, 43.0872,
69.1351

■ 47.1939, 50.1989,
70.1531

■ 54.8793, 58.1113,
71.2753

■ 63.5584, 66.8513,
72.5049

Harmonies

Analogous

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



12.2084, 15.4901, 65.0767



17.5988, 15.4901, 65.0131



23.3789, 15.4901, 47.8093

Triad

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



17.5988, 15.4901, 65.0131



23.3453, 15.4901, 3.3482



6.7903, 15.4901, 10.3107

Complementary

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



17.5988, 15.4901, 65.0131



35.3085, 29.6496, 4.6224

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.



8.5204, 15.4901, 3.3723



17.5988, 15.4901, 65.0131



17.5609, 15.4901, 1.3555

Square

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



17.5988, 15.4901, 65.0131



27.2090, 15.4901, 10.2413



12.1787, 15.4901, 1.3604



6.7957, 15.4901, 25.8660

Rectangle

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



17.5988, 15.4901, 65.0131



26.3040, 15.4901, 32.7604



12.1787, 15.4901, 1.3604



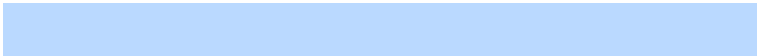
7.1652, 15.4901, 7.1809

Sweetspot

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



17.5995, 15.4905, 65.0135



63.0936, 67.1927, 104.2518



27.9607, 49.2936, 28.1409



12.8027, 13.6306, 22.2061



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.



17.5995, 15.4905, 65.0135



24.0068, 19.1337, 97.0356



12.8803, 5.6793, 63.3685



12.1929, 12.9092, 15.7866



9.9222, 8.1061, 39.4948



0.6803, 0.6526, 2.4094

Inverse Universe

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



30.3820, 15.7826, 15.3551



44.2467, 22.4627, 17.7632



48.6913, 60.4069, 9.8538



12.6506, 12.5117, 14.1001



18.0671, 9.1632, 7.6575



1.1310, 0.5692, 0.6793

Previews

White Background



This preview shows how the XYZ color 17.5988, 15.4901, 65.0131 looks on a white background.

Color Contrast Check

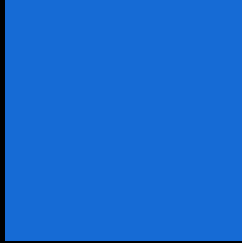
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5988, 15.4901, 65.0131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

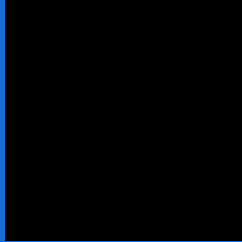
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

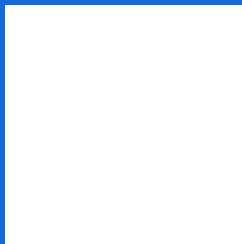
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5988, 15.4901, 65.0131

Background



This preview shows how black text looks on a background with the XYZ color 17.5988, 15.4901, 65.0131.



This preview shows how white text looks on a background with the XYZ color 17.5988, 15.4901,

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

17.5988, 15.4901, 65.0131

Protanopia

17.9362, 15.3871, 63.6527

Deuteranopia

15.4220, 15.2639, 53.1723



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

17.5988, 15.4901, 65.0131

Protanomaly

17.8006, 15.4548, 64.3322

Deuteranomaly

16.2187, 15.4205, 57.3800

Tritanomaly

12.6907, 15.0805, 35.4997

Monochromacy



Original Color

17.5988, 15.4901, 65.0131

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3611, 11.9588, 25.3764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5988, 15.4901, 65.0131 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(22, 107, 213)` looks like.

```
.text, #text, p{  
    color:rgb(22, 107, 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(22, 107, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 107, 213) }
```

Border

The CSS property to change the border of an element to XYZ 17.5988, 15.4901, 65.0131 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(22, 107, 213) }
```


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

```
.border{ border-color:rgb(22, 107, 213) }
```

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

Here you see how a box with a 4 pixel rgb(22, 107, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 107, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 107, 213);  
box-shadow:4px 4px 4px 4px rgb(22, 107,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5988, 15.4901, 65.0131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 107, 213) }
```

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

```
.background{ background-color: rgb(22, 107,  
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](#).

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