

Converting Colors

XYZ(17.9799, 16.7700, 64.2836)

Have a look what the booklet for
XYZ(17.9799, 16.7700, 64.2836)
contains.

| | |
|--|----|
| XYZ(18.0821, 16.8815, 64.5928) | 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(18.0821, 16.8815,
64.5928)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 0E72D4 |
| RGB | 14, 114, 212 |
| RGB Percent | 5%, 45%, 83% |
| CMY | 0.9449, 0.5529, 0.1686 |
| CMYK | 0.93, 0.46, 0.00, 0.17 |
| HSL | 210°, 88%, 44% |
| HSV | 210°, 93%, 83% |
| XYZ | 18.0821, 16.8815, 64.5928 |
| YIQ | 95.2720, -91.0580, 9.2780 |

Conversions

Conversions Part 2

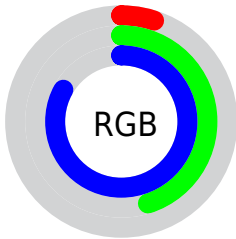
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 14, 80, 212 |
| Decimal | 946900 |
| CIE Lab | 48.11, 11.23, -57.51 |
| CIE LCh | 48, 58.601, 281.048 |
| Yxy | 16.8815, 0.1816, 0.1696 |
| Android (android.graphics.Color) | 4279136980 (0xFF0E72D4) |
| YUV | 95.2720, 57.5469, -71.2755 |
| Hunter-Lab | 41.0871, 6.6540, -64.4485 |

Details

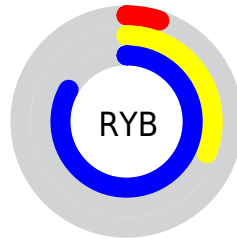
The XYZ color **18.0821, 16.8815, 64.5928** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.0297, 25.6261, 3.6224**, and the grayscale version is **10.8274, 11.3913, 12.4051**.

A 20% lighter version of the original color is **37.0987, 37.0138, 99.7968**, and **8.0930, 6.4486, 32.7165** is the 20% darker color. If you saturate the color by 10%, you get **17.1467, 15.2794, 64.3333**, and if you desaturate by 10%, it is **19.8550, 19.6549, 65.0351**.

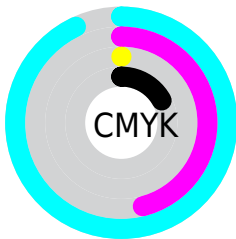
Distribution



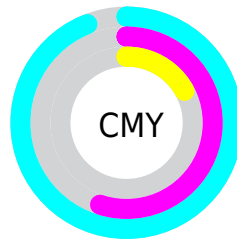
- Red (5%)
- Green (45%)
- Blue (83%)



- Red (5%)
- Yellow (31%)
- Blue (83%)



- Cyan (93%)
- Magenta (46%)
- Yellow (0%)
- Black (17%)



- Cyan (94%)
- Magenta (55%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0821, 16.8815, 64.5928 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 18.0821, 16.8815, 64.5928 by changing the saturation by 10% instead.

■ 18.0821, 16.8815,
64.5928

■ 18.0821, 16.8815,
64.5928

234.3700,
234.4886, 459.5933

■ 11.1090, 10.1500,
46.6817

■ 39.7062, 38.1219,
113.0719

■ 6.2080, 5.4986,
32.4316

■ 55.0878, 53.3997,
144.4770

■ 3.0138, 2.5426,
21.4238

■ 74.0030, 72.2950,
181.2172

■ 1.1611, 0.8979,
13.2399

■ 96.8172, 95.1922,
223.7110

■ 0.0753, 0.0000,
7.4613

■ 123.8956,
122.4758, 272.3770

■ 0.0000, 0.0000,
3.6694

155.6036,

■ 0.0000, 0.0000,

154.5301, 327.6337

1.4458

192.3067,
191.7396, 389.8996

■ 0.0000, 0.0000,
0.1771

■ 0.0000, 0.0000,
0.0000

■ 18.0821, 16.8815,
64.5928

■ 18.0821, 16.8815,
64.5928

■ 17.1467, 15.2794,
64.3333

■ 19.8550, 19.6549,
65.0351

■ 22.2020, 22.9324,
65.5440

■ 25.1960, 26.7576,
66.1246

■ 28.8971, 31.1676,
66.7807

■ 33.3579, 36.1952,
67.5160

■ 38.6255, 41.8701,
68.3337

■ 44.7430, 48.2197,
69.2369

■ 51.7500, 55.2698,
70.2284

■ 59.6838, 63.0444,
71.3109

Harmonies

Analogous

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



12.9532, 16.8815, 62.2120



18.0821, 16.8815, 64.5928



23.7256, 16.8815, 50.4183

Triad

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



18.0821, 16.8815, 64.5928



25.0405, 16.8815, 5.0911



8.1978, 16.8815, 10.4275

Complementary

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



18.0821, 16.8815, 64.5928



33.0297, 25.6261, 3.6224

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.



10.2321, 16.8815, 3.9739



18.0821, 16.8815, 64.5928



19.5942, 16.8815, 2.2782

Square

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



18.0821, 16.8815, 64.5928



28.2939, 16.8815, 13.3287



14.1676, 16.8815, 2.0286



7.9672, 16.8815, 24.5719

Rectangle

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



18.0821, 16.8815, 64.5928



26.7375, 16.8815, 36.4752



14.1676, 16.8815, 2.0286



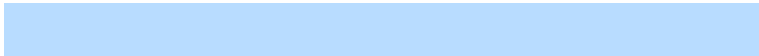
8.6682, 16.8815, 7.5505

Sweetspot

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



18.0829, 16.8820, 64.5933



63.2239, 68.3658, 104.4714



26.5247, 48.3007, 22.5973



12.6912, 13.7534, 22.2357



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.



18.0829, 16.8820, 64.5933



25.8691, 22.8582, 97.6564



12.2712, 5.2587, 62.6560



12.2557, 13.0347, 15.8075



10.6859, 9.6335, 39.7494



0.7273, 0.7466, 2.4251

Inverse Universe

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



30.3464, 15.5272, 17.3174



45.1867, 22.8387, 22.7131



49.9583, 59.4834, 9.2653



12.6822, 12.5244, 14.2669



18.4526, 9.3174, 9.6874



1.1548, 0.5787, 0.8043

Previews

White Background



This preview shows how the XYZ color 18.0821, 16.8815, 64.5928 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 18.0821, 16.8815, 64.5928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

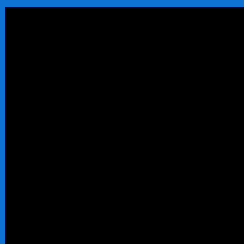
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

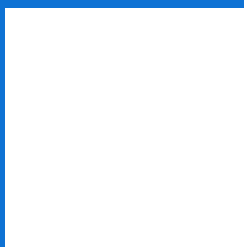
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0821, 16.8815, 64.5928

Background



This preview shows how black text looks on a background with the XYZ color 18.0821, 16.8815, 64.5928.



This preview shows how white text looks on a background with the XYZ color 18.0821, 16.8815,

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

18.0821, 16.8815, 64.5928

Protanopia

19.0754, 16.7959, 61.9111

Deuteranopia

17.1445, 16.8504, 59.4756



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

18.0821, 16.8815, 64.5928

Protanomaly

18.3198, 16.5532, 62.5511

Deuteranomaly

17.4558, 16.7987, 61.3539

Tritanomaly

13.6330, 16.5957, 37.1351

Monochromacy



Original Color

18.0821, 16.8815, 64.5928

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.5856, 12.4960, 25.8461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0821, 16.8815, 64.5928 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(14, 114, 212)` looks like.

```
.text, #text, p{  
    color:rgb(14, 114, 212)  
}
```

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(14, 114, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 114, 212) }
```

Border

The CSS property to change the border of an element to XYZ 18.0821, 16.8815, 64.5928 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(14, 114, 212) }
```


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

```
.border{ border-color:rgb(14, 114, 212) }
```

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

Here you see how a box with a 4 pixel rgb(14, 114, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 114, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 114, 212);  
box-shadow:4px 4px 4px 4px rgb(14, 114,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0821, 16.8815, 64.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 114, 212) }
```

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

```
.background{ background-color: rgb(14, 114,  
212) }
```

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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