

Converting Colors

XYZ(17.9670, 16.9907, 64.3887)

Have a look what the booklet for
XYZ(17.9670, 16.9907, 64.3887)
contains.

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Color

**XYZ(18.0144, 17.0149,
64.6221)**

Conversions

Conversions Part 1

Format	Color
Hex	0073D4
RGB	0, 115, 212
RGB Percent	0%, 45%, 83%
CMY	0.9998, 0.5490, 0.1686
CMYK	1.00, 0.46, 0.00, 0.17
HSL	207°, 100%, 42%
HSV	207°, 100%, 83%
XYZ	18.0144, 17.0149, 64.6221
YIQ	91.6730, -99.6770, 5.7870

Conversions

Conversions Part 2

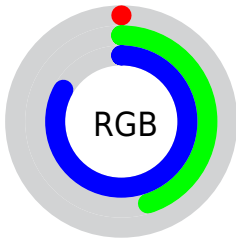
Format	Color
RYB	0, 75, 212
Decimal	29652
CIELab	48.28, 10.14, -57.25
CIELCh	48, 58.142, 280.048
Yxy	17.0149, 0.1808, 0.1707
Android (android.graphics.Color)	4278219732 (0xFF0073D4)
YUV	91.6730, 59.3212, -80.3972
Hunter-Lab	41.2491, 5.7689, -64.0111

Details

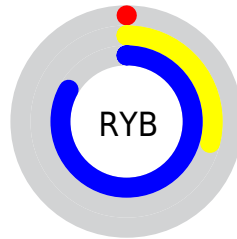
The XYZ color **18.0144, 17.0149, 64.6221** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.4314, 22.5563, 2.6987**, and the grayscale version is **9.9861, 10.5061, 11.4412**.

A 20% lighter version of the original color is **37.0530, 37.2591, 99.8466**, and **8.1529, 6.5686, 32.7364** is the 20% darker color. If you saturate the color by 10%, you get **18.0118, 17.0096, 64.6216**, and if you desaturate by 10%, it is **19.4944, 19.5078, 65.0257**.

Distribution



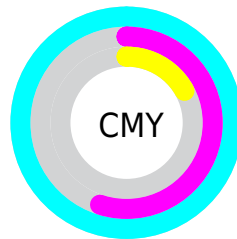
- Red (0%)
- Green (45%)
- Blue (83%)



- Red (0%)
- Yellow (29%)
- Blue (83%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (55%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0144, 17.0149, 64.6221 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 18.0144, 17.0149, 64.6221 by changing the saturation by 10% instead.

■ 18.0144, 17.0149,
64.6221

■ 18.0144, 17.0149,
64.6221

233.9962,
235.2582, 459.7017

■ 11.0601, 10.2451,
46.7053

■ 39.5918, 38.3514,
113.1144

■ 6.1748, 5.5618,
32.4501

■ 54.9455, 53.6869,
144.5271

■ 2.9934, 2.5805,
21.4379

■ 73.8297, 72.6464,
181.2755

■ 1.1503, 0.9169,
13.2501

■ 96.6099, 95.6144,
223.7781

■ 0.0665, 0.0000,
7.4682

■ 123.6512,
122.9751, 272.4534

■ 0.0000, 0.0000,
3.6738

155.3192,

■ 0.0000, 0.0000,

155.1131, 327.7201

1.4481

191.9790,
192.4127, 389.9967

■ 0.0000, 0.0000,
0.1788

■ 0.0000, 0.0000,
0.0000

■ 18.0144, 17.0149,
64.6221

■ 18.0144, 17.0149,
64.6221

■ 18.0118, 17.0096,
64.6216

■ 19.4944, 19.5078,
65.0257

■ 21.4384, 22.4177,
65.4849

■ 23.9651, 25.8110,
66.0067

■ 27.1409, 29.7264,
66.5951

■ 31.0222, 34.1976,
67.2535

■ 35.6586, 39.2545,
67.9852

■ 41.0949, 44.9245,
68.7931

■ 47.3723, 51.2328,
69.6799

■ 54.5287, 58.2031,
70.6481

Harmonies

Analogous

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



12.9409, 17.0149, 61.6718



18.0144, 17.0149, 64.6221



23.6474, 17.0149, 51.0106

Triad

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



18.0144, 17.0149, 64.6221



25.2848, 17.0149, 5.3855



8.3657, 17.0149, 10.2517

Complementary

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



18.0144, 17.0149, 64.6221



31.4314, 22.5563, 2.6987

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.



10.4660, 17.0149, 3.9698



18.0144, 17.0149, 64.6221



19.9009, 17.0149, 2.4125

Square

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



18.0144, 17.0149, 64.6221



28.4112, 17.0149, 13.8903



14.4600, 17.0149, 2.0930



8.0760, 17.0149, 24.0937

Rectangle

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



18.0144, 17.0149, 64.6221



26.6947, 17.0149, 37.2299



14.4600, 17.0149, 2.0930



8.8575, 17.0149, 7.4488

Sweetspot

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



18.0152, 17.0154, 64.6226



62.1154, 67.9249, 104.4447



25.6294, 47.9217, 18.8280



12.5135, 13.7314, 22.2408



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.



18.0152, 17.0154, 64.6226



27.1811, 25.4822, 98.0937



12.0001, 4.9852, 62.6175



12.2950, 13.1134, 15.8206



11.2209, 10.7035, 39.9277



0.7591, 0.8103, 2.4357

Inverse Universe

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



30.2467, 15.2361, 17.5664



45.8490, 23.1036, 26.2005



48.1326, 55.9588, 8.2658



12.7021, 12.5323, 14.3715



18.7226, 9.4254, 11.1094



1.1708, 0.5851, 0.8889

Previews

White Background



This preview shows how the XYZ color 18.0144, 17.0149, 64.6221 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 18.0144, 17.0149, 64.6221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

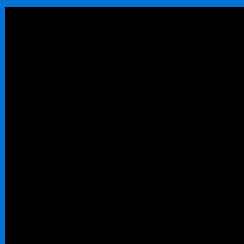
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

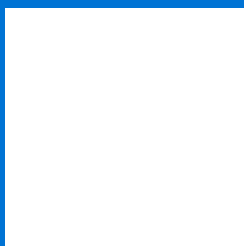
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0144, 17.0149, 64.6221

Background



This preview shows how black text looks on a background with the XYZ color 18.0144, 17.0149, 64.6221.



This preview shows how white text looks on a background with the XYZ color 18.0144, 17.0149,

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

18.0144, 17.0149, 64.6221

Protanopia

19.3164, 17.0812, 61.9534

Deuteranopia

17.2648, 16.8986, 60.1094



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

18.0144, 17.0149, 64.6221

Protanomaly

18.2576, 16.6840, 62.5797

Deuteranomaly

17.6306, 17.0448, 62.0353

Tritanomaly

13.6938, 16.8103, 37.1733

Monochromacy



Original Color

18.0144, 17.0149, 64.6221

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.8047, 11.8217, 25.0049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0144, 17.0149, 64.6221 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, 115, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 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(0, 115, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 212) }
```

Border

The CSS property to change the border of an element to XYZ 18.0144, 17.0149, 64.6221 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, 115, 212) }
```


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

```
.border{ border-color:rgb(0, 115, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0144, 17.0149, 64.6221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 212) }
```

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

```
.background{ background-color: rgb(0, 115,  
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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