

Converting Colors

XYZ(10.2001, 11.5871, 66.7759)

Have a look what the booklet for
XYZ(10.2001, 11.5871, 66.7759)
contains.

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Color

**XYZ(17.6524, 15.4733,
67.0220)**

Conversions

Conversions Part 1

Format	Color
Hex	006BD8
RGB	0, 107, 216
RGB Percent	0%, 42%, 85%
CMY	0.9998, 0.5804, 0.1529
CMYK	1.00, 0.50, 0.00, 0.15
HSL	210°, 100%, 42%
HSV	210°, 100%, 85%
XYZ	17.6524, 15.4733, 67.0220
YIQ	87.4330, -98.7610, 11.2150

Conversions

Conversions Part 2

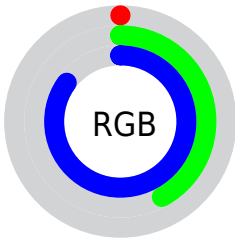
Format	Color
RYB	0, 72, 216
Decimal	27608
CIELab	46.28, 16.84, -62.76
CIELCh	46, 64.979, 285.022
Yxy	15.4733, 0.1763, 0.1545
Android (android.graphics.Color)	4278217688 (0xFF006BD8)
YUV	87.4330, 63.3835, -76.6787
Hunter-Lab	39.3361, 11.2651, -73.4847

Details

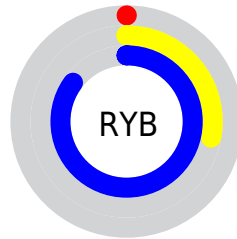
The XYZ color **17.6524, 15.4733, 67.0220** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.7938, 25.5480, 3.1517**, and the grayscale version is **9.0389, 9.5096, 10.3559**.

A 20% lighter version of the original color is **35.7563, 34.4985, 99.3821**, and **8.0139, 5.8756, 33.9694** is the 20% darker color. If you saturate the color by 10%, you get **17.6496, 15.4677, 67.0215**, and if you desaturate by 10%, it is **19.1851, 18.0586, 67.4406**.

Distribution



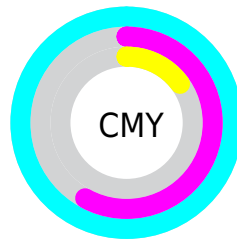
- Red (0%)
- Green (42%)
- Blue (85%)



- Red (0%)
- Yellow (28%)
- Blue (85%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (58%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6524, 15.4733, 67.0220 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 17.6524, 15.4733, 67.0220 by changing the saturation by 10% instead.

■ 17.6524, 15.4733,
67.0220

■ 17.6524, 15.4733,
67.0220

231.9881,
226.2134, 468.5267

■ 10.7989, 9.1522,
48.6408

■ 38.9789, 35.6814,
116.5929

■ 5.9981, 4.8406,
33.9710

■ 54.1825, 50.3372,
148.6196

■ 2.8846, 2.1540,
22.5942

■ 72.9003, 68.5400,
186.0320

■ 1.0930, 0.6948,
14.0917

■ 95.4975, 90.6742,
229.2485

■ 0.0193, 0.0000,
8.0450

■ 122.3396,
117.1243, 278.6877

■ 0.0000, 0.0000,
4.0355

153.7918,

■ 0.0000, 0.0000,

148.2746, 334.7681

1.6449

190.2195,
184.5095, 397.9082

■ 0.0000, 0.0000,
0.3225

■ 0.0000, 0.0000,
0.0000

■ 17.6524, 15.4733,
67.0220

■ 17.6524, 15.4733,
67.0220

■ 17.6496, 15.4677,
67.0215

■ 19.1851, 18.0586,
67.4406

■ 21.2264, 21.1264,
67.9252

■ 23.9006, 24.7479,
68.4832

■ 27.2786, 28.9663,
69.1194

■ 31.4206, 33.8192,
69.8379

■ 36.3797, 39.3404,
70.6422

■ 42.2040, 45.5606,
71.5358

■ 48.9375, 52.5082,
72.5219

■ 56.6210, 60.2100,
73.6036

Harmonies

Analogous

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



12.1156, 15.4733, 67.0370



17.6524, 15.4733, 67.0220



23.6294, 15.4733, 49.0356

Triad

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



17.6524, 15.4733, 67.0220



23.6216, 15.4733, 3.1516



6.6141, 15.4733, 10.1143

Complementary

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



17.6524, 15.4733, 67.0220



33.7938, 25.5480, 3.1517

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.



8.3717, 15.4733, 3.1570



17.6524, 15.4733, 67.0220



17.6436, 15.4733, 1.2075

Square

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



17.6524, 15.4733, 67.0220



27.6220, 15.4733, 10.0984



12.1088, 15.4733, 1.2086



6.6153, 15.4733, 26.0842

Rectangle

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



17.6524, 15.4733, 67.0220



26.6681, 15.4733, 33.3462



12.1088, 15.4733, 1.2086



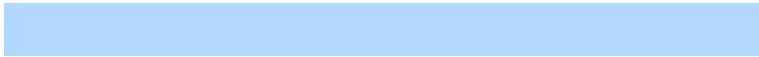
6.9945, 15.4733, 6.9510

Sweetspot

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



17.6531, 15.4737, 67.0224



61.1800, 66.0541, 104.1329



27.2649, 50.1957, 22.4467



12.2922, 13.2889, 22.1671



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.



17.6531, 15.4737, 67.0224



25.5476, 22.2153, 97.5492



12.3960, 4.9594, 65.2701



12.2455, 13.0144, 15.8041



10.5545, 9.3707, 39.7056



0.7194, 0.7307, 2.4224

Inverse Universe

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



30.9735, 15.6617, 15.3005



45.0245, 22.7738, 21.8587



52.8754, 63.7112, 9.5122



12.6771, 12.5223, 14.2399



18.3863, 9.2908, 9.3381



1.1507, 0.5771, 0.7832

Previews

White Background



This preview shows how the XYZ color 17.6524, 15.4733, 67.0220 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 17.6524, 15.4733, 67.0220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

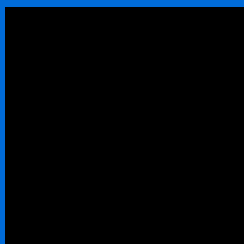
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

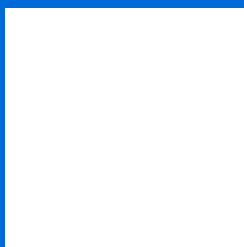
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6524, 15.4733, 67.0220

Background



This preview shows how black text looks on a background with the XYZ color 17.6524, 15.4733, 67.0220.



This preview shows how white text looks on a background with the XYZ color 17.6524, 15.4733,

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

17.6524, 15.4733, 67.0220

Protanopia

18.1440, 15.4504, 65.6443

Deuteranopia

15.5318, 15.4834, 53.2089



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

17.6524, 15.4733, 67.0220

Protanomaly

17.8718, 15.4474, 66.3297

Deuteranomaly

16.2366, 15.4161, 57.9970

Tritanomaly

12.6784, 15.0640, 35.9576

Monochromacy



Original Color

17.6524, 15.4733, 67.0220

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.8813, 10.5389, 24.0677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6524, 15.4733, 67.0220 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, 107, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 216)  
}
```

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, 107, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 216) }
```

Border

The CSS property to change the border of an element to XYZ 17.6524, 15.4733, 67.0220 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, 107, 216) }
```


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

```
.border{ border-color:rgb(0, 107, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6524, 15.4733, 67.0220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 216) }
```

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

```
.background{ background-color: rgb(0, 107,  
216) }
```

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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