

Converting Colors

XYZ(16.9620, 14.9807, 64.0537)

Have a look what the booklet for
XYZ(16.9620, 14.9807, 64.0537)
contains.

XYZ(17.0377, 15.0615, 64.2965)	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(17.0377, 15.0615,
64.2965)**

Conversions

Conversions Part 1

Format	Color
Hex	006AD4
RGB	0, 106, 212
RGB Percent	0%, 42%, 83%
CMY	0.9998, 0.5843, 0.1686
CMYK	1.00, 0.50, 0.00, 0.17
HSL	210°, 100%, 42%
HSV	210°, 100%, 83%
XYZ	17.0377, 15.0615, 64.2965
YIQ	86.3900, -97.2020, 10.4940

Conversions

Conversions Part 2

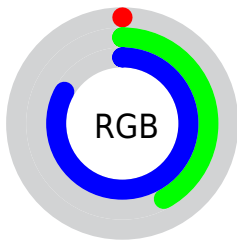
Format	Color
RYB	0, 71, 212
Decimal	27348
CIELab	45.72, 15.89, -61.38
CIELCh	46, 63.406, 284.517
Yxy	15.0615, 0.1767, 0.1562
Android (android.graphics.Color)	4278217428 (0xFF006AD4)
YUV	86.3900, 61.9257, -75.7640
Hunter-Lab	38.8091, 10.4477, -71.0615

Details

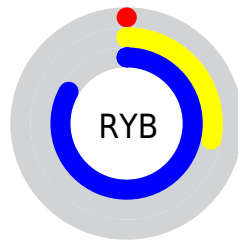
The XYZ color **17.0377, 15.0615, 64.2965** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.3113, 24.3163, 2.9920**, and the grayscale version is **8.8189, 9.2782, 10.1040**.

A 20% lighter version of the original color is **35.4738, 34.1006, 99.3202**, and **7.6166, 5.6320, 32.1381** is the 20% darker color. If you saturate the color by 10%, you get **17.0351, 15.0561, 64.2960**, and if you desaturate by 10%, it is **18.5135, 17.5459, 64.6986**.

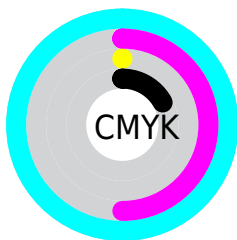
Distribution



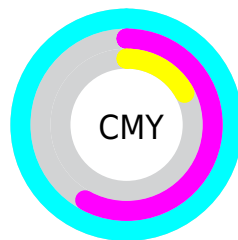
- Red (0%)
- Green (42%)
- Blue (83%)



- Red (0%)
- Yellow (28%)
- Blue (83%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (58%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0377, 15.0615, 64.2965 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 17.0377, 15.0615, 64.2965 by changing the saturation by 10% instead.

■ 17.0377, 15.0615,
64.2965

■ 17.0377, 15.0615,
64.2965

228.5415,
223.7382, 458.4964

■ 10.3568, 8.8626,
46.4431

■ 37.9337, 34.9610,
112.6414

■ 5.7003, 4.6516,
32.2445

■ 52.8795, 49.4304,
143.9700

■ 2.7026, 2.0444,
21.2819

■ 71.3110, 67.4254,
180.6275

■ 0.9985, 0.6331,
13.1370

■ 93.5936, 89.3304,
223.0324

■ 0.0000, 0.0000,
7.3911

■ 120.0926,
115.5297, 271.6031

■ 0.0000, 0.0000,
3.6257

151.1733,

■ 0.0000, 0.0000,

146.4079, 326.7584

1.4224

187.2012,
182.3492, 388.9166

■ 0.0000, 0.0000,
0.1591

■ 0.0000, 0.0000,
0.0000

■ 17.0377, 15.0615,
64.2965

■ 17.0377, 15.0615,
64.2965

■ 17.0351, 15.0561,
64.2960

■ 18.5135, 17.5459,
64.6986

■ 20.4731, 20.4872,
65.1631

■ 23.0365, 23.9538,
65.6971

■ 26.2711, 27.9868,
66.3051

■ 30.2343, 32.6218,
66.9908

■ 34.9767, 37.8907,
67.7579

■ 40.5441, 43.8227,
68.6094

■ 46.9783, 50.4447,
69.5485

■ 54.3183, 57.7822,
70.5779

Harmonies

Analogous

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



11.7532, 15.0615, 63.9790



17.0377, 15.0615, 64.2965



22.7583, 15.0615, 47.4413

Triad

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



17.0377, 15.0615, 64.2965



22.9249, 15.0615, 3.2368



6.5433, 15.0615, 9.7525

Complementary

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



17.0377, 15.0615, 64.2965



32.3113, 24.3163, 2.9920

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.



8.2713, 15.0615, 3.1198



17.0377, 15.0615, 64.2965



17.2256, 15.0615, 1.2657

Square

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



17.0377, 15.0615, 64.2965



26.6870, 15.0615, 10.0940



11.8999, 15.0615, 1.2427



6.5168, 15.0615, 24.9000

Rectangle

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



17.0377, 15.0615, 64.2965



25.6864, 15.0615, 32.5218



11.8999, 15.0615, 1.2427



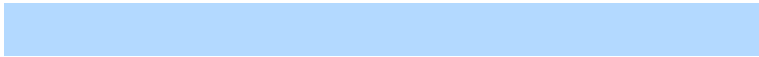
6.9208, 15.0615, 6.7439

Sweetspot

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



17.0384, 15.0619, 64.2969



61.2710, 66.2362, 104.1633



26.1472, 48.1287, 21.5546



12.3137, 13.3319, 22.1743



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.



17.0384, 15.0619, 64.2969



25.7000, 22.5199, 97.6000



11.8850, 4.7550, 62.5791



12.2503, 13.0241, 15.8058



10.6168, 9.4953, 39.7264



0.7231, 0.7383, 2.4237

Inverse Universe

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



29.7536, 15.0389, 14.9703



45.1013, 22.8045, 22.2636



50.6954, 61.0845, 9.1201



12.6796, 12.5233, 14.2528



18.4177, 9.3034, 9.5036



1.1527, 0.5778, 0.7932

Previews

White Background



This preview shows how the XYZ color 17.0377, 15.0615, 64.2965 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 17.0377, 15.0615, 64.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

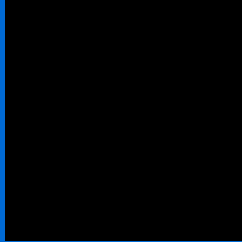
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0377, 15.0615, 64.2965

Background



This preview shows how black text looks on a background with the XYZ color 17.0377, 15.0615, 64.2965.



This preview shows how white text looks on a background with the XYZ color 17.0377, 15.0615,

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

17.0377, 15.0615, 64.2965

Protanopia

17.6219, 15.0892, 62.9565

Deuteranopia

15.0904, 14.9576, 51.9609



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

17.0377, 15.0615, 64.2965

Protanomaly

17.2883, 15.0532, 63.6224

Deuteranomaly

15.7774, 15.0608, 56.1083

Tritanomaly

12.3887, 14.7647, 34.9978

Monochromacy



Original Color

17.0377, 15.0615, 64.2965

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.6548, 10.3069, 23.3104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0377, 15.0615, 64.2965 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, 106, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 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, 106, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 212) }
```

Border

The CSS property to change the border of an element to XYZ 17.0377, 15.0615, 64.2965 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, 106, 212) }
```


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

```
.border{ border-color:rgb(0, 106, 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, 106, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0377, 15.0615, 64.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 212) }
```

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

```
.background{ background-color: rgb(0, 106,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor