

Converting Colors

XYZ(16.8886, 15.3436, 62.4580)

Have a look what the booklet for
XYZ(16.8886, 15.3436, 62.4580)
contains.

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Color

**XYZ(16.8712, 15.3286,
62.3911)**

Conversions

Conversions Part 1

Format	Color
Hex	006CD1
RGB	0, 108, 209
RGB Percent	0%, 42%, 82%
CMY	0.9998, 0.5765, 0.1804
CMYK	1.00, 0.48, 0.00, 0.18
HSL	209°, 100%, 41%
HSV	209°, 100%, 82%
XYZ	16.8712, 15.3286, 62.3911
YIQ	87.2220, -96.7890, 8.5150

Conversions

Conversions Part 2

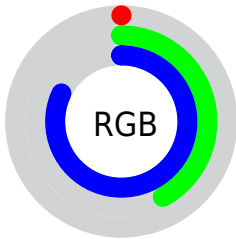
Format	Color
RYB	0, 71, 209
Decimal	27857
CIELab	46.08, 13.41, -59.08
CIELCh	46, 60.585, 282.787
Yxy	15.3286, 0.1784, 0.1621
Android (android.graphics.Color)	4278217937 (0xFF006CD1)
YUV	87.2220, 60.0366, -76.4937
Hunter-Lab	39.1518, 8.4033, -67.0766

Details

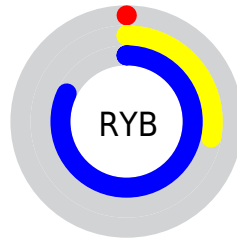
The XYZ color **16.8712, 15.3286, 62.3911** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.9534, 22.8724, 2.7848**, and the grayscale version is **8.9999, 9.4686, 10.3113**.

A 20% lighter version of the original color is **35.7037, 34.7256, 99.4287**, and **7.5554, 5.7783, 31.2890** is the 20% darker color. If you saturate the color by 10%, you get **16.8688, 15.3237, 62.3907**, and if you desaturate by 10%, it is **18.3074, 17.7435, 62.7819**.

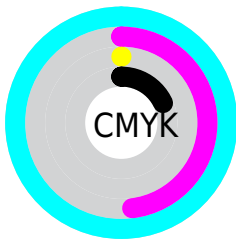
Distribution



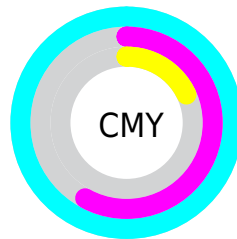
- Red (0%)
- Green (42%)
- Blue (82%)



- Red (0%)
- Yellow (28%)
- Blue (82%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (58%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8712, 15.3286, 62.3911 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 16.8712, 15.3286, 62.3911 by changing the saturation by 10% instead.

■ 16.8712, 15.3286,
62.3911

■ 16.8712, 15.3286,
62.3911

227.5998,
225.3466, 451.4032

■ 10.2374, 9.0503,
44.9110

■ 37.6496, 35.4286,
109.8677

■ 5.6201, 4.7740,
31.0449

■ 52.5249, 50.0192,
140.7011

■ 2.6540, 2.1153,
20.3743

■ 70.8780, 68.1492,
176.8228

■ 0.9735, 0.6732,
12.4806

■ 93.0745, 90.2033,
218.6513

■ 0.0000, 0.0000,
6.9454

■ 119.4795,
116.5656, 266.6050

■ 0.0000, 0.0000,
3.3500

150.4585,

■ 0.0000, 0.0000,

147.6207, 321.1025

1.2760

186.3768,
183.7529, 382.5624

■ 0.0000, 0.0000,
0.0420

■ 0.0000, 0.0000,
0.0000

■ 16.8712, 15.3286,
62.3911

■ 16.8712, 15.3286,
62.3911

■ 16.8688, 15.3237,
62.3907

■ 18.3074, 17.7435,
62.7819

■ 20.2033, 20.5845,
63.2303

■ 22.6753, 23.9173,
63.7434

■ 25.7878, 27.7808,
64.3250

■ 29.5960, 32.2084,
64.9789

■ 34.1483, 37.2301,
65.7083

■ 39.4884, 42.8734,
66.5161

■ 45.6566, 49.1637,
67.4052

■ 52.6900, 56.1247,
68.3781

Harmonies

Analogous

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



11.8328, 15.3286, 61.0366



16.8712, 15.3286, 62.3911



22.3782, 15.3286, 47.3253

Triad

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



16.8712, 15.3286, 62.3911



23.1053, 15.3286, 3.8921



7.0137, 15.3286, 9.6298

Complementary

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



16.8712, 15.3286, 62.3911



30.9534, 22.8724, 2.7848

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.



8.8282, 15.3286, 3.3347



16.8712, 15.3286, 62.3911



17.6984, 15.3286, 1.6175

Square

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



16.8712, 15.3286, 62.3911



26.5074, 15.3286, 11.1706



12.4871, 15.3286, 1.5009



6.8929, 15.3286, 23.7816

Rectangle

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



16.8712, 15.3286, 62.3911



25.2608, 15.3286, 33.2946



12.4871, 15.3286, 1.5009



7.4219, 15.3286, 6.7951

Sweetspot

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



16.8719, 15.3290, 62.3915



61.6023, 66.8987, 104.2737



25.1523, 46.5419, 19.9806



12.3920, 13.4885, 22.2004



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.



16.8719, 15.3290, 62.3915



26.2663, 23.6526, 97.7888



11.5476, 4.6805, 60.6168



11.6616, 12.4134, 15.0251



10.5000, 9.6466, 38.5011



0.6664, 0.6979, 2.1792

Inverse Universe

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



29.0020, 14.6392, 15.4846



45.3872, 22.9189, 23.7688



48.2504, 57.4664, 8.5505



12.0601, 11.9088, 13.5922



17.9306, 9.0451, 9.8068



1.0426, 0.5218, 0.7591

Previews

White Background



This preview shows how the XYZ color 16.8712, 15.3286, 62.3911 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 16.8712, 15.3286, 62.3911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

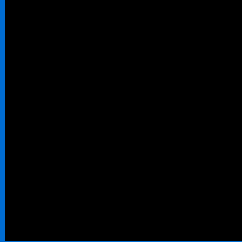
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8712, 15.3286, 62.3911

Background



This preview shows how black text looks on a background with the XYZ color 16.8712, 15.3286, 62.3911.



This preview shows how white text looks on a background with the XYZ color 16.8712, 15.3286,

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

16.8712, 15.3286, 62.3911

Protanopia

17.6604, 15.3163, 60.4181

Deuteranopia

15.4220, 15.2639, 53.1723



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

16.8712, 15.3286, 62.3911

Protanomaly

17.0762, 15.1531, 61.0563

Deuteranomaly

15.8847, 15.2754, 56.1441

Tritanomaly

12.4169, 14.9594, 34.5808

Monochromacy



Original Color

16.8712, 15.3286, 62.3911

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.7645, 10.6353, 23.0109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8712, 15.3286, 62.3911 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, 108, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 209)  
}
```

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, 108, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 209) }
```

Border

The CSS property to change the border of an element to XYZ 16.8712, 15.3286, 62.3911 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, 108, 209) }
```


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

```
.border{ border-color:rgb(0, 108, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8712, 15.3286, 62.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 209) }
```

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

```
.background{ background-color: rgb(0, 108,  
209) }
```

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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