

Converting Colors

XYZ(16.7311, 15.4423, 61.1303)

Have a look what the booklet for
XYZ(16.7311, 15.4423, 61.1303)
contains.

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Color

**XYZ(16.7311, 15.4423,
61.1303)**

Conversions

Conversions Part 1

Format	Color
Hex	006DCF
RGB	0, 109, 207
RGB Percent	0%, 43%, 81%
CMY	0.9998, 0.5725, 0.1882
CMYK	1.00, 0.47, 0.00, 0.19
HSL	208°, 100%, 41%
HSV	208°, 100%, 81%
XYZ	16.7311, 15.4423, 61.1303
YIQ	87.5810, -96.4220, 7.3700

Conversions

Conversions Part 2

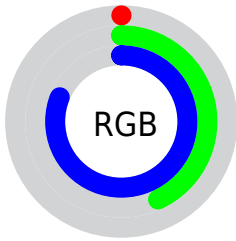
Format	Color
RYB	0, 71, 207
Decimal	28111
CIELab	46.23, 11.97, -57.69
CIELCh	46, 58.920, 281.721
Yxy	15.4423, 0.1793, 0.1655
Android (android.graphics.Color)	4278218191 (0xFF006DCF)
YUV	87.5810, 58.8736, -76.8085
Hunter-Lab	39.2967, 7.2296, -64.7244

Details

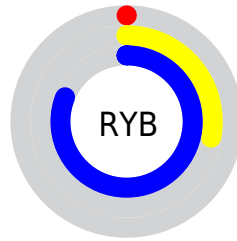
The XYZ color **16.7311, 15.4423, 61.1303** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.1043, 22.0091, 2.6628**, and the grayscale version is **9.0791, 9.5520, 10.4021**.

A 20% lighter version of the original color is **35.7664, 35.0143, 99.4811**, and **7.4450, 5.8220, 30.4371** is the 20% darker color. If you saturate the color by 10%, you get **16.7290, 15.4380, 61.1300**, and if you desaturate by 10%, it is **18.1398, 17.8084, 61.5131**.

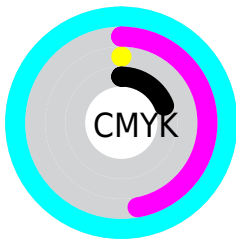
Distribution



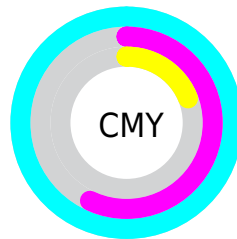
- Red (0%)
- Green (43%)
- Blue (81%)



- Red (0%)
- Yellow (28%)
- Blue (81%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (57%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7311, 15.4423, 61.1303 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 16.7311, 15.4423, 61.1303 by changing the saturation by 10% instead.

■ 16.7311, 15.4423,
61.1303

■ 16.7311, 15.4423,
61.1303

226.8046,
226.0280, 446.6714

■ 10.1371, 9.1304,
43.8991

■ 37.4101, 35.6273,
108.0269

■ 5.5529, 4.8263,
30.2546

■ 52.2259, 50.2691,
138.5295

■ 2.6132, 2.1457,
19.7782

■ 70.5129, 68.4564,
174.2928

■ 0.9527, 0.6902,
12.0515

■ 92.6365, 90.5735,
215.7356

■ 0.0000, 0.0000,
6.6558

■ 118.9622,
117.0048, 263.2763

■ 0.0000, 0.0000,
3.1726

149.8551,

■ 0.0000, 0.0000,

148.1347, 317.3335

1.1834

185.6808,
184.3476, 378.3256

■ 0.0000, 0.0000,
0.0000

■ 16.7311, 15.4423,
61.1303

■ 16.7311, 15.4423,
61.1303

■ 16.7290, 15.4380,
61.1300

■ 18.1398, 17.8084,
61.5131

■ 19.9931, 20.5822,
61.9509

■ 22.4052, 23.8277,
62.4502

■ 25.4388, 27.5824,
63.0150

■ 29.1474, 31.8783,
63.6487

■ 33.5782, 36.7446,
64.3545

■ 38.7737, 42.2075,
65.1351

■ 44.7729, 48.2916,
65.9933

■ 51.6121, 55.0195,
66.9314

Harmonies

Analogous

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



11.8482, 15.4423, 59.2116



16.7311, 15.4423, 61.1303



22.1005, 15.4423, 47.1191

Triad

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



16.7311, 15.4423, 61.1303



23.1444, 15.4423, 4.2963



7.2761, 15.4423, 9.5368

Complementary

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



16.7311, 15.4423, 61.1303



30.1043, 22.0091, 2.6628

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.



9.1360, 15.4423, 3.4558



16.7311, 15.4423, 61.1303



17.9247, 15.4423, 1.8432

Square

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



16.7311, 15.4423, 61.1303



26.3299, 15.4423, 11.7916



12.7991, 15.4423, 1.6617



7.0982, 15.4423, 23.0918

Rectangle

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



16.7311, 15.4423, 61.1303



24.9484, 15.4423, 33.6467



12.7991, 15.4423, 1.6617



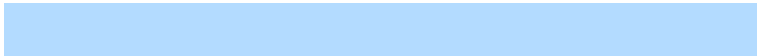
7.7015, 15.4423, 6.8092

Sweetspot

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



16.7318, 15.4427, 61.1307



61.7979, 67.2900, 104.3389



24.4537, 45.4823, 18.7076



12.4383, 13.5810, 22.2158



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.



16.7318, 15.4427, 61.1307



26.6097, 24.3394, 97.9032



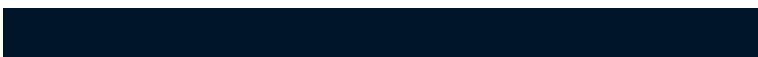
11.3385, 4.6560, 59.3329



11.6714, 12.4331, 15.0283



10.6355, 9.9176, 38.5462



0.6738, 0.7128, 2.1816

Inverse Universe

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



28.4931, 14.3706, 15.7402



45.5606, 22.9882, 24.6817



46.4104, 54.6214, 8.0982



12.0650, 11.9108, 13.6183



17.9990, 9.0724, 10.1670



1.0463, 0.5233, 0.7789

Previews

White Background



This preview shows how the XYZ color 16.7311, 15.4423, 61.1303 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 16.7311, 15.4423, 61.1303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

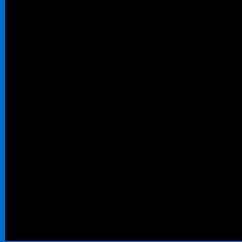
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7311, 15.4423, 61.1303

Background



This preview shows how black text looks on a background with the XYZ color 16.7311, 15.4423, 61.1303.



This preview shows how white text looks on a background with the XYZ color 16.7311, 15.4423,

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

16.7311, 15.4423, 61.1303

Protanopia

17.7405, 15.5376, 59.1908

Deuteranopia

15.5348, 15.3090, 53.7659



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

16.7311, 15.4423, 61.1303

Protanomaly

17.0047, 15.2982, 59.8142

Deuteranomaly

15.8847, 15.2754, 56.1441

Tritanomaly

12.4471, 15.1569, 34.1678

Monochromacy



Original Color

16.7311, 15.4423, 61.1303

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.9105, 10.8452, 23.0437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7311, 15.4423, 61.1303 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, 109, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 207)  
}
```

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, 109, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 207) }
```

Border

The CSS property to change the border of an element to XYZ 16.7311, 15.4423, 61.1303 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, 109, 207) }
```


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

```
.border{ border-color:rgb(0, 109, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7311, 15.4423, 61.1303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 207) }
```

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

```
.background{ background-color: rgb(0, 109,  
207) }
```

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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