

Converting Colors

XYZ(5.1641, 10.3750, 55.7369)

Have a look what the booklet for
XYZ(5.1641, 10.3750, 55.7369)
contains.

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Color

**XYZ(16.3261, 16.1581,
56.2912)**

Conversions

Conversions Part 1

Format	Color
Hex	0072C7
RGB	0, 114, 199
RGB Percent	0%, 45%, 78%
CMY	0.9998, 0.5529, 0.2196
CMYK	1.00, 0.43, 0.00, 0.22
HSL	206°, 100%, 39%
HSV	206°, 100%, 78%
XYZ	16.3261, 16.1581, 56.2912
YIQ	89.6040, -95.2290, 2.2670

Conversions

Conversions Part 2

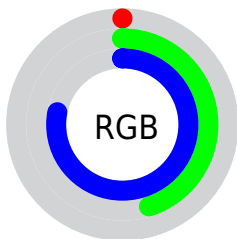
Format	Color
RYB	0, 72, 199
Decimal	29383
CIELab	47.18, 5.61, -51.58
CIELCh	47, 51.889, 276.204
Yxy	16.1581, 0.1839, 0.1820
Android (android.graphics.Color)	4278219463 (0xFF0072C7)
YUV	89.6040, 53.9322, -78.5827
Hunter-Lab	40.1971, 2.1529, -54.8904

Details

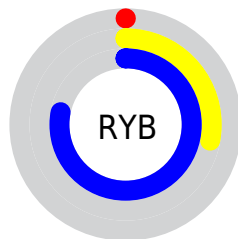
The XYZ color **16.3261, 16.1581, 56.2912** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **26.8056, 18.6463, 2.1875**, and the grayscale version is **9.5316, 10.0280, 10.9205**.

A 20% lighter version of the original color is **36.4349, 36.6717, 99.7658**, and **7.0412, 6.0279, 27.1780** is the 20% darker color. If you saturate the color by 10%, you get **16.3241, 16.1540, 56.2909**, and if you desaturate by 10%, it is **17.6176, 18.3145, 56.6397**.

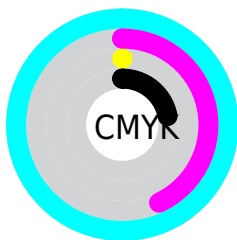
Distribution



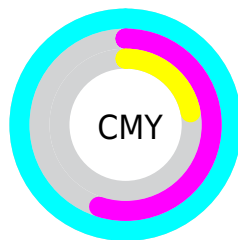
- Red (0%)
- Green (45%)
- Blue (78%)



- Red (0%)
- Yellow (28%)
- Blue (78%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (55%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3261, 16.1581, 56.2912 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 16.3261, 16.1581, 56.2912 by changing the saturation by 10% instead.

■ 16.3261, 16.1581,
56.2912

■ 16.3261, 16.1581,
56.2912

224.4911,
230.2728, 428.2071

■ 9.8475, 9.6361,
40.0309

■ 36.7163, 36.8725,
100.9203

■ 5.3595, 5.1584,
27.2487

■ 51.3586, 51.8336,
130.1261

■ 2.4966, 2.3405,
17.5260

■ 69.4529, 70.3766,
164.4841

■ 0.8935, 0.7950,
10.4443

■ 91.3645, 92.8858,
204.4130

■ 0.0000, 0.0000,
5.5851

■ 117.4588,
119.7456, 250.3312

■ 0.0000, 0.0000,
2.5298

■ 148.1010,

■ 0.0000, 0.0000,

151.3405, 302.6572

0.8559

183.6567,
188.0548, 361.8097

■ 0.0000, 0.0000,
0.0000

■ 16.3261, 16.1581,
56.2912

■ 16.3261, 16.1581,
56.2912

■ 16.3241, 16.1540,
56.2909

■ 17.6176, 18.3145,
56.6397

■ 19.2948, 20.8053,
57.0321

■ 21.4630, 23.6884,
57.4743

■ 24.1784, 26.9959,
57.9696

■ 27.4884, 30.7554,
58.5208

■ 31.4350, 34.9916,
59.1305

■ 36.0562, 39.7268,
59.8009

■ 41.3867, 44.9818,
60.5343

■ 47.4585, 50.7760,
61.3327

Harmonies

Analogous

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



12.0811, 16.1581, 52.0796



16.3261, 16.1581, 56.2912



21.1483, 16.1581, 46.6769

Triad

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



16.3261, 16.1581, 56.2912



23.5863, 16.1581, 6.5298



8.6445, 16.1581, 9.2741

Complementary

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



16.3261, 16.1581, 56.2912



26.8056, 18.6463, 2.1875

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.



10.7343, 16.1581, 4.1051



16.3261, 16.1581, 56.2912



19.1791, 16.1581, 3.1591

Square

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



16.3261, 16.1581, 56.2912



25.8424, 16.1581, 15.0140



14.4285, 16.1581, 2.5671



8.1794, 16.1581, 20.4525

Rectangle

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



16.3261, 16.1581, 56.2912



23.8690, 16.1581, 35.6105



14.4285, 16.1581, 2.5671



9.1568, 16.1581, 6.9870

Sweetspot

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



16.3268, 16.1586, 56.2916



62.7306, 69.1553, 104.6498



21.9832, 41.4711, 15.0181



12.6594, 14.0233, 22.2895



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.



16.3268, 16.1586, 56.2916



28.3376, 27.7952, 98.4792



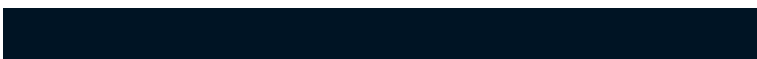
10.5041, 4.5132, 54.3507



10.5525, 11.2791, 13.5384



10.5851, 10.5641, 36.2255



0.5720, 0.6418, 1.7389

Inverse Universe

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



26.5911, 13.3581, 17.0966



46.4327, 23.3371, 29.2744



40.3679, 45.7709, 6.7083



10.8842, 10.7371, 12.3733



17.1422, 8.6064, 11.2246



0.8474, 0.4218, 0.7197

Previews

White Background



This preview shows how the XYZ color 16.3261, 16.1581, 56.2912 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 16.3261, 16.1581, 56.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

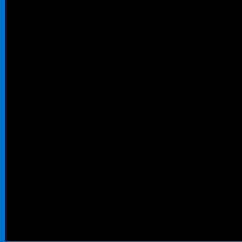
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3261, 16.1581, 56.2912

Background



This preview shows how black text looks on a background with the XYZ color 16.3261, 16.1581, 56.2912.



This preview shows how white text looks on a background with the XYZ color 16.3261, 16.1581,

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

16.3261, 16.1581, 56.2912

Protanopia

17.9539, 16.2488, 53.2290

Deuteranopia

16.6399, 16.1534, 56.2737



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

16.3261, 16.1581, 56.2912

Protanomaly

16.7750, 15.9352, 54.4162

Deuteranomaly

16.4451, 16.0529, 56.2646

Tritanomaly

12.7172, 15.8332, 33.8383

Monochromacy



Original Color

16.3261, 16.1581, 56.2912

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.1784, 11.4052, 22.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3261, 16.1581, 56.2912 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, 114, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 199)  
}
```

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, 114, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 199) }
```

Border

The CSS property to change the border of an element to XYZ 16.3261, 16.1581, 56.2912 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, 114, 199) }
```


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

```
.border{ border-color:rgb(0, 114, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3261, 16.1581, 56.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 199) }
```

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

```
.background{ background-color: rgb(0, 114,  
199) }
```

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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