

Converting Colors

XYZ(16.0399, 14.6412, 59.1071)

Have a look what the booklet for
XYZ(16.0399, 14.6412, 59.1071)
contains.

XYZ(16.0531, 14.6677, 59.1118)	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(16.0531, 14.6677,
59.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	006ACC
RGB	0, 106, 204
RGB Percent	0%, 42%, 80%
CMY	0.9998, 0.5843, 0.2000
CMYK	1.00, 0.48, 0.00, 0.20
HSL	209°, 100%, 40%
HSV	209°, 100%, 80%
XYZ	16.0531, 14.6677, 59.1118
YIQ	85.4780, -94.6340, 8.0060

Conversions

Conversions Part 2

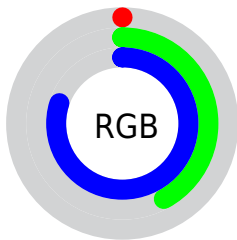
Format	Color
RYB	0, 70, 204
Decimal	27340
CIELab	45.18, 12.69, -57.68
CIELCh	45, 59.060, 282.412
Yxy	14.6677, 0.1787, 0.1633
Android (android.graphics.Color)	4278217420 (0xFF006ACC)
YUV	85.4780, 58.4313, -74.9642
Hunter-Lab	38.2984, 7.7975, -64.7024

Details

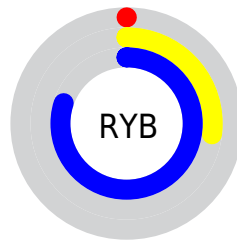
The XYZ color **16.0531, 14.6677, 59.1118** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.2741, 21.5812, 2.6240**, and the grayscale version is **8.6332, 9.0828, 9.8911**.

A 20% lighter version of the original color is **35.2526, 33.9866, 99.3098**, and **7.0407, 5.4016, 29.1053** is the 20% darker color. If you saturate the color by 10%, you get **16.0510, 14.6634, 59.1114**, and if you desaturate by 10%, it is **17.4194, 16.9584, 59.4823**.

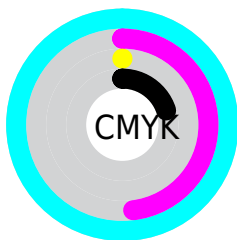
Distribution



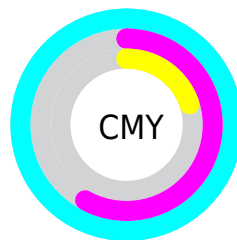
- Red (0%)
- Green (42%)
- Blue (80%)



- Red (0%)
- Yellow (27%)
- Blue (80%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0531, 14.6677, 59.1118 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 16.0531, 14.6677, 59.1118 by changing the saturation by 10% instead.

■ 16.0531, 14.6677,
59.1118

■ 16.0531, 14.6677,
59.1118

222.9191,
221.3460, 439.0295

■ 9.6528, 8.5865,
42.2825

■ 36.2471, 34.2692,
105.0709

■ 5.2299, 4.4725,
28.9954

■ 50.7715, 48.5582,
135.0377

■ 2.4189, 1.9412,
18.8318

■ 68.7346, 66.3520,
170.2208

■ 0.8545, 0.5730,
11.3732

■ 90.5019, 88.0350,
211.0388

■ 0.0000, 0.0000,
6.2011

■ 116.4386,
113.9914, 257.9101

■ 0.0000, 0.0000,
2.8970

146.9101,

■ 0.0000, 0.0000,

144.6058, 311.2533

1.0423

182.2818,
180.2626, 371.4869

■ 0.0000, 0.0000,
0.0000

■ 16.0531, 14.6677,
59.1118

■ 16.0531, 14.6677,
59.1118

■ 16.0510, 14.6634,
59.1114

■ 17.4194, 16.9584,
59.4823

■ 19.2178, 19.6487,
59.9068

■ 21.5596, 22.8012,
60.3919

■ 24.5054, 26.4523,
60.9413

■ 28.1069, 30.6334,
61.5586

■ 32.4098, 35.3727,
62.2465

■ 37.4552, 40.6959,
63.0081

■ 43.2809, 46.6268,
63.8458

■ 49.9221, 53.1876,
64.7622

Harmonies

Analogous

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



11.2978, 14.6677, 57.6238



16.0531, 14.6677, 59.1118



21.2617, 14.6677, 45.0956

Triad

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



16.0531, 14.6677, 59.1118



22.0642, 14.6677, 3.8496



6.7824, 14.6677, 9.1582

Complementary

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



16.0531, 14.6677, 59.1118



29.2741, 21.5812, 2.6240

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.



8.5296, 14.6677, 3.2234



16.0531, 14.6677, 59.1118



16.9678, 14.6677, 1.6185

Square

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



16.0531, 14.6677, 59.1118



25.2370, 14.6677, 10.8705



12.0232, 14.6677, 1.4860



6.6479, 14.6677, 22.4587

Rectangle

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



16.0531, 14.6677, 59.1118



24.0009, 14.6677, 31.8956



12.0232, 14.6677, 1.4860



7.1778, 14.6677, 6.4895

Sweetspot

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



16.0538, 14.6681, 59.1122



61.6593, 67.0127, 104.2927



23.6693, 44.0166, 18.1285



12.4055, 13.5154, 22.2048



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.



16.0538, 14.6681, 59.1122



26.3656, 23.8513, 97.8219



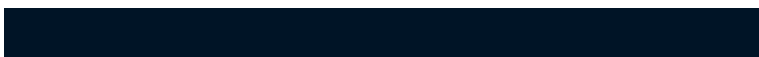
10.9740, 4.5085, 57.4189



11.0758, 11.7920, 14.2627



10.1964, 9.4168, 37.2365



0.6018, 0.6373, 1.9462

Inverse Universe

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



27.5040, 13.8790, 14.8651



45.4373, 22.9389, 24.0329



44.9144, 52.8619, 7.8374



11.4516, 11.3094, 12.9128



17.3576, 8.7536, 9.6017



0.9337, 0.4669, 0.6967

Previews

White Background



This preview shows how the XYZ color 16.0531, 14.6677, 59.1118 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 16.0531, 14.6677, 59.1118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

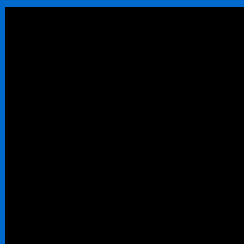
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0531, 14.6677, 59.1118

Background



This preview shows how black text looks on a background with the XYZ color 16.0531, 14.6677, 59.1118.



This preview shows how white text looks on a background with the XYZ color 16.0531, 14.6677,

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

16.0531, 14.6677, 59.1118

Protanopia

16.8611, 14.6744, 57.2021

Deuteranopia

14.7629, 14.6550, 50.7658



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

16.0531, 14.6677, 59.1118

Protanomaly

16.2707, 14.5050, 57.8193

Deuteranomaly

15.2129, 14.6653, 53.6586

Tritanomaly

11.8500, 14.3677, 32.7205

Monochromacy



Original Color

16.0531, 14.6677, 59.1118

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.3320, 10.1715, 21.8935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0531, 14.6677, 59.1118 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 204) }
```

Border

The CSS property to change the border of an element to XYZ 16.0531, 14.6677, 59.1118 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, 204) }
```


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

```
.border{ border-color:rgb(0, 106, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0531, 14.6677, 59.1118 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, 204) }
```

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

```
.background{ background-color: rgb(0, 106,  
204) }
```

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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