

Converting Colors

XYZ(16.1216, 14.5417, 59.6793)

Have a look what the booklet for
XYZ(16.1216, 14.5417, 59.6793)
contains.

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Color

**XYZ(16.1211, 14.5367,
59.7138)**

Conversions

Conversions Part 1

Format	Color
Hex	0469CD
RGB	4, 105, 205
RGB Percent	2%, 41%, 80%
CMY	0.9841, 0.5882, 0.1961
CMYK	0.98, 0.49, 0.00, 0.20
HSL	210°, 96%, 41%
HSV	210°, 98%, 80%
XYZ	16.1211, 14.5367, 59.7138
YIQ	86.2010, -92.2960, 9.6880

Conversions

Conversions Part 2

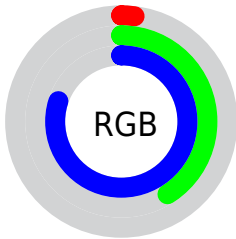
Format	Color
RYB	4, 71, 205
Decimal	289229
CIELab	44.99, 13.87, -58.55
CIELCh	45, 60.168, 283.329
Yxy	14.5367, 0.1784, 0.1609
Android (android.graphics.Color)	4278479309 (0xFF0469CD)
YUV	86.2010, 58.5679, -72.0903
Hunter-Lab	38.1270, 8.7522, -66.1699

Details

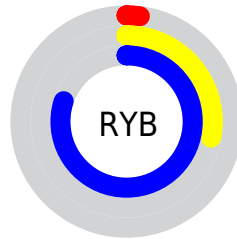
The XYZ color **16.1211, 14.5367, 59.7138** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.1546, 22.8989, 2.9469**, and the grayscale version is **8.7849, 9.2424, 10.0650**.

A 20% lighter version of the original color is **35.1940, 33.7063, 99.2588**, and **7.0690, 5.3299, 29.5104** is the 20% darker color. If you saturate the color by 10%, you get **15.8682, 14.1053, 59.6442**, and if you desaturate by 10%, it is **17.5632, 16.9163, 60.0975**.

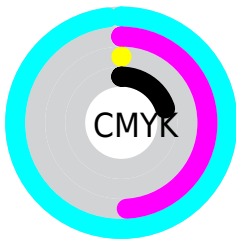
Distribution



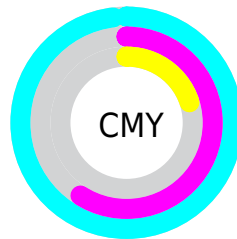
- Red (2%)
- Green (41%)
- Blue (80%)



- Red (2%)
- Yellow (28%)
- Blue (80%)



- Cyan (98%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



- Cyan (98%)
- Magenta (59%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1211, 14.5367, 59.7138 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 16.1211, 14.5367, 59.7138 by changing the saturation by 10% instead.

■ 16.1211, 14.5367,
59.7138

■ 16.1211, 14.5367,
59.7138

223.3116,
220.5446, 441.3174

■ 9.7013, 8.4949,
42.7642

■ 36.3641, 34.0383,
105.9537

■ 5.2621, 4.4132,
29.3701

■ 50.9179, 48.2669,
136.0811

■ 2.4382, 1.9073,
19.1130

■ 68.9138, 65.9933,
171.4381

■ 0.8642, 0.5528,
11.5743

■ 90.7171, 87.6017,
212.4434

■ 0.0000, 0.0000,
6.3355

■ 116.6932,
113.4767, 259.5154

■ 0.0000, 0.0000,
2.9781

147.2074,

■ 0.0000, 0.0000,

144.0026, 313.0727

1.0835

182.6251,
179.5637, 373.5338

■ 0.0000, 0.0000,
0.0000

■ 16.1211, 14.5367,
59.7138

■ 16.1211, 14.5367,
59.7138

■ 15.8682, 14.1053,
59.6442

■ 17.5632, 16.9163,
60.0975

■ 19.4887, 19.7364,
60.5403

■ 21.9847, 23.0477,
61.0479

■ 25.1109, 26.8867,
61.6241

■ 28.9188, 31.2854,
62.2725

■ 33.4537, 36.2724,
62.9960

■ 38.7571, 41.8740,
63.7977

■ 44.8669, 48.1147,
64.6803

■ 51.8185, 55.0174,
65.6463

Harmonies

Analogous

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



11.2701, 14.5367, 58.7254



16.1211, 14.5367, 59.7138



21.4018, 14.5367, 44.9572

Triad

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



16.1211, 14.5367, 59.7138



21.9299, 14.5367, 3.5469



6.5759, 14.5367, 9.2434

Complementary

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



16.1211, 14.5367, 59.7138



30.1546, 22.8989, 2.9469

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.



8.2761, 14.5367, 3.1493



16.1211, 14.5367, 59.7138



16.7207, 14.5367, 1.4606

Square

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



16.1211, 14.5367, 59.7138



25.2557, 14.5367, 10.3545



11.7431, 14.5367, 1.3785



6.4890, 14.5367, 22.9538

Rectangle

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



16.1211, 14.5367, 59.7138



24.1455, 14.5367, 31.4229



11.7431, 14.5367, 1.3785



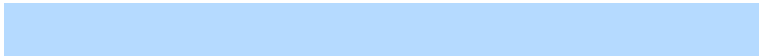
6.9552, 14.5367, 6.4969

Sweetspot

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



16.1218, 14.5371, 59.7142



62.2410, 67.2963, 104.3168



24.2398, 44.6321, 19.6945



12.5012, 13.5416, 22.2049



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.



16.1218, 14.5371, 59.7142



25.7826, 22.6851, 97.6275



11.1505, 4.5946, 58.0571



11.0596, 11.7597, 14.2573



9.9737, 8.9714, 37.1623



0.5904, 0.6146, 1.9425

Inverse Universe

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



27.7708, 14.0871, 14.6200



45.1430, 22.8212, 22.4831



46.2380, 55.0657, 8.3080



11.4435, 11.3061, 12.8699



17.2452, 8.7087, 9.0097



0.9280, 0.4646, 0.6665

Previews

White Background



This preview shows how the XYZ color 16.1211, 14.5367, 59.7138 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 16.1211, 14.5367, 59.7138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

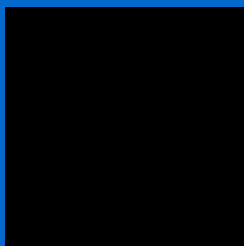
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

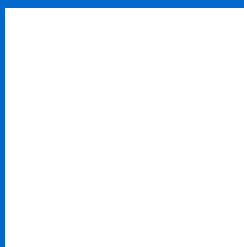
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1211, 14.5367, 59.7138

Background



This preview shows how black text looks on a background with the XYZ color 16.1211, 14.5367, 59.7138.



This preview shows how white text looks on a background with the XYZ color 16.1211, 14.5367,

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

16.1211, 14.5367, 59.7138

Protanopia

16.8263, 14.6429, 57.8166

Deuteranopia

14.5479, 14.3992, 50.1567



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

16.1211, 14.5367, 59.7138

Protanomaly

16.3570, 14.5358, 58.4435

Deuteranomaly

15.1205, 14.4620, 53.6243

Tritanomaly

11.8340, 14.1833, 33.1243

Monochromacy



Original Color

16.1211, 14.5367, 59.7138

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.5077, 10.2544, 22.2471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1211, 14.5367, 59.7138 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(4, 105, 205)` looks like.

```
.text, #text, p{  
    color:rgb(4, 105, 205)  
}
```

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(4, 105, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 105, 205) }
```

Border

The CSS property to change the border of an element to XYZ 16.1211, 14.5367, 59.7138 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(4, 105, 205) }
```


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

```
.border{ border-color:rgb(4, 105, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 105, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 105, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 105, 205);  
box-shadow:4px 4px 4px 4px rgb(4, 105,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1211, 14.5367, 59.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 105, 205) }
```

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

```
.background{ background-color: rgb(4, 105,  
205) }
```

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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