

Converting Colors

XYZ(11.5833, 14.1953, 53.5132)

Have a look what the booklet for
XYZ(11.5833, 14.1953, 53.5132)
contains.

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Color

**XYZ(16.0957, 16.4309,
53.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	0074C3
RGB	0, 116, 195
RGB Percent	0%, 45%, 76%
CMY	0.9998, 0.5451, 0.2353
CMYK	1.00, 0.41, 0.00, 0.24
HSL	204°, 100%, 38%
HSV	204°, 100%, 76%
XYZ	16.0957, 16.4309, 53.9529
YIQ	90.3220, -94.4950, -0.0230

Conversions

Conversions Part 2

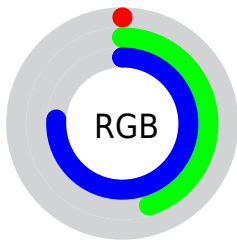
Format	Color
RYB	0, 73, 195
Decimal	29891
CIELab	47.53, 2.77, -48.72
CIELCh	48, 48.800, 273.253
Yxy	16.4309, 0.1861, 0.1900
Android (android.graphics.Color)	4278219971 (0xFF0074C3)
YUV	90.3220, 51.6063, -79.2124
Hunter-Lab	40.5350, -0.0574, -50.5416

Details

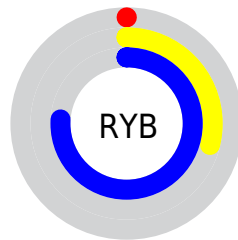
The XYZ color **16.0957, 16.4309, 53.9529** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.3050, 17.2001, 1.9874**, and the grayscale version is **9.6963, 10.2012, 11.1091**.

A 20% lighter version of the original color is **36.3972, 37.5203, 97.4193**, and **6.9358, 6.1793, 26.0265** is the 20% darker color. If you saturate the color by 10%, you get **16.0940, 16.4273, 53.9527**, and if you desaturate by 10%, it is **17.3251, 18.4750, 54.2830**.

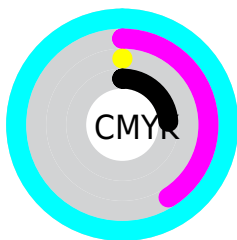
Distribution



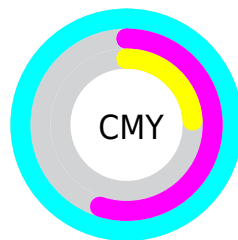
- Red (0%)
- Green (45%)
- Blue (76%)



- Red (0%)
- Yellow (29%)
- Blue (76%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0957, 16.4309, 53.9529 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 16.0957, 16.4309, 53.9529 by changing the saturation by 10% instead.

■ 16.0957, 16.4309,
53.9529

■ 16.0957, 16.4309,
53.9529

223.1651,
231.8711, 419.0999

■ 9.6832, 9.8296,
38.1711

■ 36.3204, 37.3447,
97.4608

■ 5.2501, 5.2861,
25.8126

■ 50.8632, 52.4259,
126.0240

■ 2.4310, 2.4161,
16.4590

■ 68.8469, 71.1026,
159.6846

■ 0.8606, 0.8342,
9.6917

■ 90.6368, 93.7591,
198.8614

■ 0.0000, 0.0000,
5.0921

■ 116.5981,
120.7798, 243.9728

■ 0.0000, 0.0000,
2.2417

■ 147.0964,

■ 0.0000, 0.0000,

152.5491, 295.4373

0.6983

182.4969,
189.4514, 353.6735

■ 0.0000, 0.0000,
0.0000

■ 16.0957, 16.4309,
53.9529

■ 16.0957, 16.4309,
53.9529

■ 16.0940, 16.4273,
53.9527

■ 17.3251, 18.4750,
54.2830

■ 18.9134, 20.8217,
54.6523

■ 20.9621, 23.5263,
55.0663

■ 23.5240, 26.6184,
55.5282

■ 26.6442, 30.1238,
56.0403

■ 30.3622, 34.0653,
56.6051

■ 34.7138, 38.4637,
57.2248

■ 39.7316, 43.3381,
57.9012

■ 45.4461, 48.7065,
58.6362

Harmonies

Analogous

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



12.1531, 16.4309, 48.8625



16.0957, 16.4309, 53.9529



20.6569, 16.4309, 46.2588

Triad

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



16.0957, 16.4309, 53.9529



23.6907, 16.4309, 7.7216



9.2851, 16.4309, 9.1432

Complementary

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



16.0957, 16.4309, 53.9529



25.3050, 17.2001, 1.9874

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.



11.4719, 16.4309, 4.4196



16.0957, 16.4309, 53.9529



19.6837, 16.4309, 3.9066

Square

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



16.0957, 16.4309, 53.9529



25.5230, 16.4309, 16.5675



15.1480, 16.4309, 3.0623



8.6769, 16.4309, 19.2820

Rectangle

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



16.0957, 16.4309, 53.9529



23.3074, 16.4309, 36.3463



15.1480, 16.4309, 3.0623



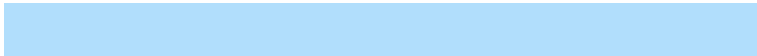
9.8371, 16.4309, 7.0596

Sweetspot

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



16.0964, 16.4314, 53.9533



61.7667, 68.4864, 102.4335



20.8918, 39.5812, 13.7512



12.7665, 14.2375, 22.3252



0.0000, 0.0000, 0.0000



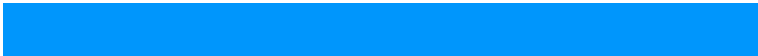
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0964, 16.4314, 53.9533



28.5732, 28.9189, 96.5457



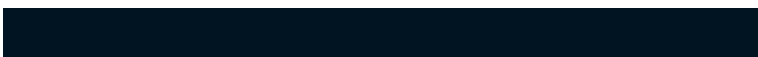
10.0930, 4.4245, 51.9522



10.0152, 10.7216, 12.8265



10.5444, 10.8453, 35.0942



0.5218, 0.6010, 1.5384

Inverse Universe

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



25.6587, 12.8640, 17.6539



45.8255, 22.9866, 30.9411



37.9344, 42.4590, 6.1972



10.3189, 10.1762, 11.7701



16.7183, 8.3771, 11.6945



0.7558, 0.3753, 0.6813

Previews

White Background



This preview shows how the XYZ color 16.0957, 16.4309, 53.9529 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 16.0957, 16.4309, 53.9529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

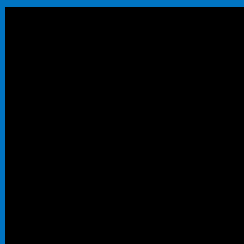
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0957, 16.4309, 53.9529

Background



This preview shows how black text looks on a background with the XYZ color 16.0957, 16.4309, 53.9529.



This preview shows how white text looks on a background with the XYZ color 16.0957, 16.4309,

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

16.0957, 16.4309, 53.9529

Protanopia

17.9857, 16.4882, 50.3787

Deuteranopia

17.0633, 16.5780, 54.5251



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

16.0957, 16.4309, 53.9529

Protanomaly

16.5135, 16.0280, 51.5136

Deuteranomaly

16.6012, 16.5082, 54.5360

Tritanomaly

12.9603, 16.3194, 33.9194

Monochromacy



Original Color

16.0957, 16.4309, 53.9529

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.0455, 11.3521, 22.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0957, 16.4309, 53.9529 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, 116, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 195)  
}
```

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, 116, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 195) }
```

Border

The CSS property to change the border of an element to XYZ 16.0957, 16.4309, 53.9529 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, 116, 195) }
```


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

```
.border{ border-color:rgb(0, 116, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0957, 16.4309, 53.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 195) }
```

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

```
.background{ background-color: rgb(0, 116,  
195) }
```

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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