

Converting Colors

XYZ(3.5568, 10.0881, 54.7465)

Have a look what the booklet for
XYZ(3.5568, 10.0881, 54.7465)
contains.

XYZ(16.4393, 16.7538, 55.1907)	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(16.4393, 16.7538,
55.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	0075C5
RGB	0, 117, 197
RGB Percent	0%, 46%, 77%
CMY	0.9998, 0.5412, 0.2274
CMYK	1.00, 0.41, 0.00, 0.23
HSL	204°, 100%, 39%
HSV	204°, 100%, 77%
XYZ	16.4393, 16.7538, 55.1907
YIQ	91.1370, -95.4120, 0.0760

Conversions

Conversions Part 2

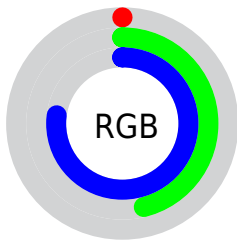
Format	Color
RYB	0, 73, 197
Decimal	30149
CIELab	47.95, 2.94, -49.21
CIELCh	48, 49.297, 273.421
Yxy	16.7538, 0.1860, 0.1896
Android (android.graphics.Color)	4278220229 (0xFF0075C5)
YUV	91.1370, 52.1905, -79.9271
Hunter-Lab	40.9314, 0.0611, -51.2929

Details

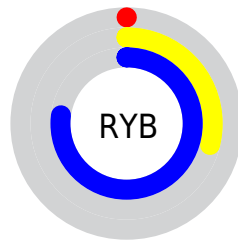
The XYZ color **16.4393, 16.7538, 55.1907** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.8978, 17.6134, 2.0359**, and the grayscale version is **9.8785, 10.3930, 11.3180**.

A 20% lighter version of the original color is **37.0071, 38.0731, 99.1643**, and **7.1481, 6.3635, 26.8381** is the 20% darker color. If you saturate the color by 10%, you get **16.4377, 16.7504, 55.1905**, and if you desaturate by 10%, it is **17.6953, 18.8451, 55.5286**.

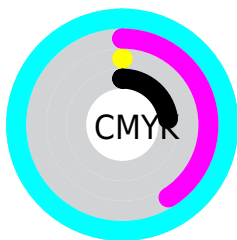
Distribution



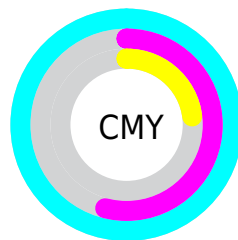
- Red (0%)
- Green (46%)
- Blue (77%)



- Red (0%)
- Yellow (29%)
- Blue (77%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (54%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4393, 16.7538, 55.1907 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 16.4393, 16.7538, 55.1907 by changing the saturation by 10% instead.

■ 16.4393, 16.7538,
55.1907

■ 16.4393, 16.7538,
55.1907

■ 225.1400,
233.7496, 423.9367

■ 9.9284, 10.0591,
39.1548

■ 36.9105, 37.9020,
99.2943

■ 5.4134, 5.4382,
26.5714

■ 51.6015, 53.1243,
128.1990

■ 2.5290, 2.5066,
17.0220

■ 69.7498, 71.9579,
162.2304

■ 0.9099, 0.8799,
10.0881

■ 91.7210, 94.7872,
201.8070

■ 0.0000, 0.0000,
5.3510

■ 117.8802,
121.9966, 247.3475

■ 0.0000, 0.0000,
2.3923

■ 148.5928,

■ 0.0000, 0.0000,

153.9706, 299.2702

0.7823

184.2243,
191.0934, 357.9937

■ 0.0000, 0.0000,
0.0000

■ 16.4393, 16.7538,
55.1907

■ 16.4393, 16.7538,
55.1907

■ 16.4377, 16.7504,
55.1905

■ 17.6953, 18.8451,
55.5286

■ 19.3196, 21.2474,
55.9066

■ 21.4157, 24.0167,
56.3307

■ 24.0378, 27.1838,
56.8038

■ 27.2319, 30.7749,
57.3286

■ 31.0388, 34.8135,
57.9075

■ 35.4951, 39.3210,
58.5426

■ 40.6344, 44.3169,
59.2361

■ 46.4877, 49.8198,
59.9897

Harmonies

Analogous

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



12.3990, 16.7538, 50.0416



16.4393, 16.7538, 55.1907



21.1086, 16.7538, 47.2344

Triad

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



16.4393, 16.7538, 55.1907



24.1725, 16.7538, 7.8114



9.4400, 16.7538, 9.3381

Complementary

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



16.4393, 16.7538, 55.1907



25.8978, 17.6134, 2.0359

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.



11.6665, 16.7538, 4.4926



16.4393, 16.7538, 55.1907



20.0608, 16.7538, 3.9429

Square

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



16.4393, 16.7538, 55.1907



26.0658, 16.7538, 16.8205



15.4196, 16.7538, 3.0964



8.8274, 16.7538, 19.7415

Rectangle

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



16.4393, 16.7538, 55.1907



23.8176, 16.7538, 37.0541



15.4196, 16.7538, 3.0964



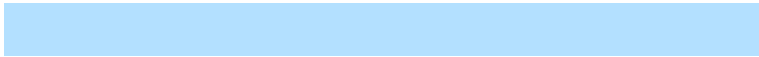
10.0012, 16.7538, 7.2005

Sweetspot

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



16.4400, 16.7543, 55.1911



63.1614, 70.0169, 104.7934



21.3717, 40.4950, 14.0534



12.7618, 14.2281, 22.3236



0.0000, 0.0000, 0.0000



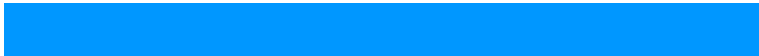
20.3446, 21.4041, 23.3091

Same Dimension

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



16.4400, 16.7543, 55.1911



29.1855, 29.4910, 98.7618



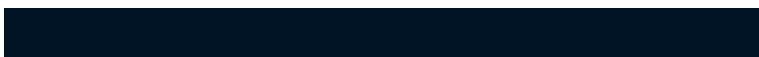
10.3241, 4.5225, 53.1525



10.5715, 11.3170, 13.5447



10.8955, 11.1849, 36.3290



0.5857, 0.6693, 1.7435

Inverse Universe

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



26.2375, 13.1556, 17.9863



46.8607, 23.5083, 31.5281



38.8087, 43.4352, 6.3395



10.8937, 10.7409, 12.4236



17.2989, 8.6691, 12.0496



0.8543, 0.4246, 0.7561

Previews

White Background



This preview shows how the XYZ color 16.4393, 16.7538, 55.1907 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 16.4393, 16.7538, 55.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

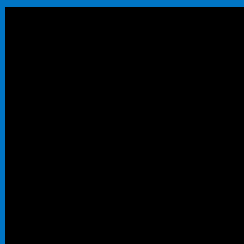
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4393, 16.7538, 55.1907

Background



This preview shows how black text looks on a background with the XYZ color 16.4393, 16.7538, 55.1907.



This preview shows how white text looks on a background with the XYZ color 16.4393, 16.7538,

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

16.4393, 16.7538, 55.1907

Protanopia

18.3967, 16.8359, 51.5703

Deuteranopia

17.4060, 16.8966, 55.7701



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

16.4393, 16.7538, 55.1907

Protanomaly

16.8960, 16.3643, 52.7202

Deuteranomaly

16.9451, 16.8292, 55.7813

Tritanomaly

13.2545, 16.6345, 34.8600

Monochromacy



Original Color

16.4393, 16.7538, 55.1907

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.3314, 11.6256, 22.8185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4393, 16.7538, 55.1907 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, 117, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 197)  
}
```

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, 117, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 197) }
```

Border

The CSS property to change the border of an element to XYZ 16.4393, 16.7538, 55.1907 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, 117, 197) }
```


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

```
.border{ border-color:rgb(0, 117, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 117, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 117, 197); box-shadow:4px 4px 4px 4px rgb(0, 117, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4393, 16.7538, 55.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 197) }
```

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

```
.background{ background-color: rgb(0, 117,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor