

Converting Colors

XYZ(13.6371, 15.1926, 55.4730)

Have a look what the booklet for
XYZ(13.6371, 15.1926, 55.4730)
contains.

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Color

**XYZ(16.4384, 16.5680,
55.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	0074C6
RGB	0, 116, 198
RGB Percent	0%, 45%, 78%
CMY	0.9998, 0.5451, 0.2235
CMYK	1.00, 0.41, 0.00, 0.22
HSL	205°, 100%, 39%
HSV	205°, 100%, 78%
XYZ	16.4384, 16.5680, 55.7576
YIQ	90.6640, -95.4580, 0.9100

Conversions

Conversions Part 2

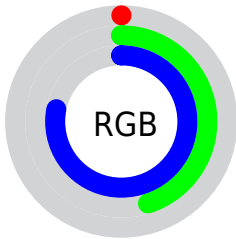
Format	Color
RYB	0, 73, 198
Decimal	29894
CIELab	47.71, 3.96, -50.16
CIELCh	48, 50.318, 274.513
Yxy	16.5680, 0.1852, 0.1867
Android (android.graphics.Color)	4278219974 (0xFF0074C6)
YUV	90.6640, 52.9166, -79.5123
Hunter-Lab	40.7038, 0.8563, -52.7250

Details

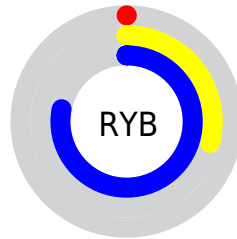
The XYZ color **16.4384, 16.5680, 55.7576** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **26.3094, 18.0465, 2.0978**, and the grayscale version is **9.7703, 10.2791, 11.1940**.

A 20% lighter version of the original color is **36.7985, 37.3988, 99.8869**, and **7.0860, 6.2394, 26.8175** is the 20% darker color. If you saturate the color by 10%, you get **16.4367, 16.5644, 55.7574**, and if you desaturate by 10%, it is **17.7114, 18.6904, 56.1006**.

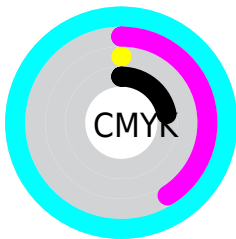
Distribution



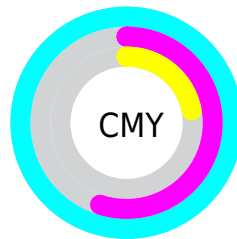
- Red (0%)
- Green (45%)
- Blue (78%)



- Red (0%)
- Yellow (29%)
- Blue (78%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4384, 16.5680, 55.7576 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 16.4384, 16.5680, 55.7576 by changing the saturation by 10% instead.

■ 16.4384, 16.5680,
55.7576

■ 16.4384, 16.5680,
55.7576

■ 225.1348,
232.6704, 426.1400

■ 9.9277, 9.9270,
39.6059

■ 36.9090, 37.5815,
100.1323

■ 5.4130, 5.3506,
26.9200

■ 51.5996, 52.7228,
129.1925

■ 2.5288, 2.4544,
17.2812

■ 69.7475, 71.4662,
163.3925

■ 0.9098, 0.8537,
10.2711

■ 91.7181, 94.1963,
203.1509

■ 0.0000, 0.0000,
5.4711

■ 117.8768,
121.2974, 248.8864

■ 0.0000, 0.0000,
2.4627

■ 148.5889,

■ 0.0000, 0.0000,

153.1538, 301.0173

0.8203

184.2198,
190.1500, 359.9624

■ 0.0000, 0.0000,
0.0000

■ 16.4384, 16.5680,
55.7576

■ 16.4384, 16.5680,
55.7576

■ 16.4367, 16.5644,
55.7574

■ 17.7114, 18.6904,
56.1006

■ 19.3604, 21.1335,
56.4852

■ 21.4898, 23.9542,
56.9174

■ 24.1546, 27.1838,
57.4004

■ 27.4016, 30.8491,
57.9367

■ 31.2721, 34.9742,
58.5289

■ 35.8033, 39.5808,
59.1793

■ 41.0294, 44.6890,
59.8898

■ 46.9819, 50.3177,
60.6625

Harmonies

Analogous

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



12.3085, 16.5680, 50.9470



16.4384, 16.5680, 55.7576



21.1788, 16.5680, 47.1480

Triad

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



16.4384, 16.5680, 55.7576



24.0112, 16.5680, 7.3236



9.1547, 16.5680, 9.3367

Complementary

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



16.4384, 16.5680, 55.7576



26.3094, 18.0465, 2.0978

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.



11.3344, 16.5680, 4.3525



16.4384, 16.5680, 55.7576



19.7736, 16.5680, 3.6394

Square

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



16.4384, 16.5680, 55.7576



26.0491, 16.5680, 16.1585



15.0760, 16.5680, 2.8937



8.5983, 16.5680, 20.0616

Rectangle

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



16.4384, 16.5680, 55.7576



23.8996, 16.5680, 36.5975



15.0760, 16.5680, 2.8937



9.6983, 16.5680, 7.1360

Sweetspot

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



16.4391, 16.5685, 55.7580



62.9962, 69.6865, 104.7383



21.6142, 40.9565, 14.2062



12.7225, 14.1495, 22.3105



0.0000, 0.0000, 0.0000



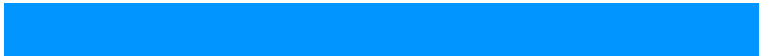
20.3446, 21.4041, 23.3091

Same Dimension

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



16.4391, 16.5685, 55.7580



28.8566, 28.8332, 98.6522



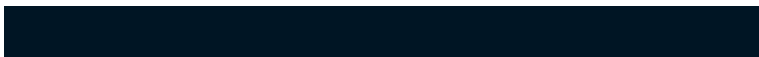
10.4409, 4.5720, 53.7586



10.5642, 11.3025, 13.5423



10.7752, 10.9443, 36.2889



0.5804, 0.6587, 1.7417

Inverse Universe

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



26.4417, 13.2677, 17.6906



46.6947, 23.4419, 30.6540



39.2502, 43.9282, 6.4114



10.8901, 10.7394, 12.4044



17.2381, 8.6448, 11.7298



0.8517, 0.4235, 0.7421

Previews

White Background



This preview shows how the XYZ color 16.4384, 16.5680, 55.7576 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 16.4384, 16.5680, 55.7576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

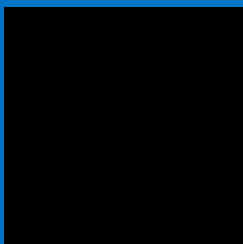
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

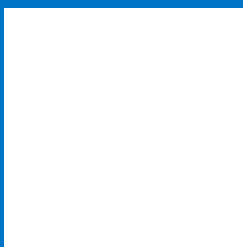
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4384, 16.5680, 55.7576

Background



This preview shows how black text looks on a background with the XYZ color 16.4384, 16.5680, 55.7576.



This preview shows how white text looks on a background with the XYZ color 16.4384, 16.5680,

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

16.4384, 16.5680, 55.7576

Protanopia

18.1509, 16.5354, 52.1042

Deuteranopia

17.0471, 16.5432, 55.7208



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

16.4384, 16.5680, 55.7576

Protanomaly

16.7984, 16.1364, 53.2682

Deuteranomaly

16.7247, 16.5454, 55.7382

Tritanomaly

13.0453, 16.3534, 34.3672

Monochromacy



Original Color

16.4384, 16.5680, 55.7576

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 16.4384, 16.5680, 55.7576 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 198) }
```

Border

The CSS property to change the border of an element to XYZ 16.4384, 16.5680, 55.7576 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, 198) }
```


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

```
.border{ border-color:rgb(0, 116, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4384, 16.5680, 55.7576 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, 198) }
```

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

```
.background{ background-color: rgb(0, 116,  
198) }
```

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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