

Converting Colors

XYZ(3.6166, 10.2915, 55.4840)

Have a look what the booklet for
XYZ(3.6166, 10.2915, 55.4840)
contains.

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Color

**XYZ(16.6715, 17.0341,
55.8353)**

Conversions

Conversions Part 1

Format	Color
Hex	0076C6
RGB	0, 118, 198
RGB Percent	0%, 46%, 78%
CMY	0.9998, 0.5373, 0.2235
CMYK	1.00, 0.40, 0.00, 0.22
HSL	204°, 100%, 39%
HSV	204°, 100%, 78%
XYZ	16.6715, 17.0341, 55.8353
YIQ	91.8380, -96.0080, -0.1360

Conversions

Conversions Part 2

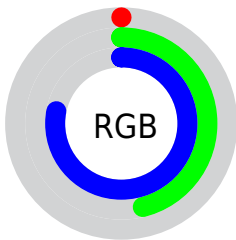
Format	Color
RYB	0, 74, 198
Decimal	30406
CIELab	48.30, 2.72, -49.22
CIELCh	48, 49.291, 273.162
Yxy	17.0341, 0.1862, 0.1902
Android (android.graphics.Color)	4278220486 (0xFF0076C6)
YUV	91.8380, 52.3379, -80.5419
Hunter-Lab	41.2724, -0.1237, -51.3197

Details

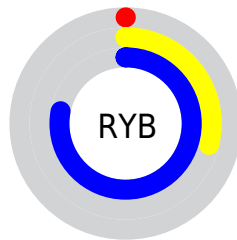
The XYZ color **16.6715, 17.0341, 55.8353** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **26.1611, 17.7498, 2.0485**, and the grayscale version is **10.0381, 10.5609, 11.5008**.

A 20% lighter version of the original color is **37.3545, 38.5108, 100.0723**, and **7.2112, 6.4896, 26.8592** is the 20% darker color. If you saturate the color by 10%, you get **16.6695, 17.0300, 55.8350**, and if you desaturate by 10%, it is **17.9397, 19.1467, 56.1766**.

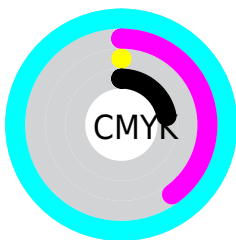
Distribution



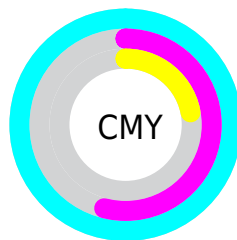
- Red (0%)
- Green (46%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6715, 17.0341, 55.8353 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 16.6715, 17.0341, 55.8353 by changing the saturation by 10% instead.

■ 16.6715, 17.0341,
55.8353

■ 16.6715, 17.0341,
55.8353

■ 226.4655,
235.3688, 426.4414

■ 10.0944, 10.2588,
39.6678

■ 37.3082, 38.3844,
100.2471

■ 5.5243, 5.5709,
26.9678

■ 52.0985, 53.7282,
129.3285

■ 2.5960, 2.5860,
17.3168

■ 70.3573, 72.6969,
163.5516

■ 0.9439, 0.9196,
10.2963

■ 92.4499, 95.6750,
203.3349

■ 0.0000, 0.0000,
5.4877

■ 118.7417,
123.0469, 249.0970

■ 0.0000, 0.0000,
2.4724

■ 149.5979,

■ 0.0000, 0.0000,

155.1969, 301.2564

0.8255

185.3841,
192.5094, 360.2317

■ 0.0000, 0.0000,
0.0000

■ 16.6715, 17.0341,
55.8353

■ 16.6715, 17.0341,
55.8353

■ 16.6695, 17.0300,
55.8350

■ 17.9397, 19.1467,
56.1766

■ 19.5802, 21.5727,
56.5584

■ 21.6972, 24.3686,
56.9865

■ 24.3456, 27.5653,
57.4640

■ 27.5722, 31.1895,
57.9934

■ 31.4180, 35.2649,
58.5774

■ 35.9201, 39.8130,
59.2180

■ 41.1125, 44.8537,
59.9172

■ 47.0267, 50.4056,
60.6771

Harmonies

Analogous

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



12.5954, 17.0341, 50.5353



16.6715, 17.0341, 55.8353



21.3899, 17.0341, 47.9201

Triad

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



16.6715, 17.0341, 55.8353



24.5513, 17.0341, 8.0395



9.6413, 17.0341, 9.4704

Complementary

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



16.6715, 17.0341, 55.8353



26.1611, 17.7498, 2.0485

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.



11.9102, 17.0341, 4.5896



16.6715, 17.0341, 55.8353



20.4117, 17.0341, 4.0725

Square

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



16.6715, 17.0341, 55.8353



26.4372, 17.0341, 17.2160



15.7186, 17.0341, 3.1893



9.0065, 17.0341, 19.9454

Rectangle

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



16.6715, 17.0341, 55.8353



24.1342, 17.0341, 37.6841



15.7186, 17.0341, 3.1893



10.2145, 17.0341, 7.3176

Sweetspot

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



16.6722, 17.0346, 55.8358



63.2033, 70.1008, 104.8074



21.6144, 40.9566, 14.2068



12.7718, 14.2480, 22.3270



0.0000, 0.0000, 0.0000



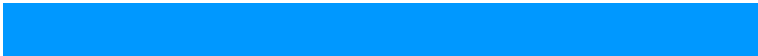
20.3446, 21.4041, 23.3091

Same Dimension

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



16.6722, 17.0346, 55.8358



29.2696, 29.6593, 98.7899



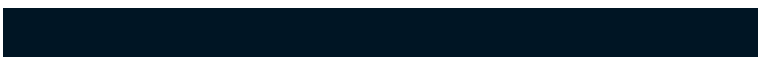
10.4410, 4.5722, 53.7587



10.5733, 11.3207, 13.5453



10.9263, 11.2465, 36.3393



0.5871, 0.6720, 1.7439

Inverse Universe

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



26.5594, 13.3149, 18.3100



46.9032, 23.5253, 31.7517



39.2503, 43.9284, 6.4116



10.8947, 10.7412, 12.4285



17.3144, 8.6753, 12.1314



0.8550, 0.4249, 0.7597

Previews

White Background



This preview shows how the XYZ color 16.6715, 17.0341, 55.8353 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 16.6715, 17.0341, 55.8353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

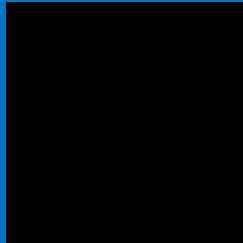
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6715, 17.0341, 55.8353

Background



This preview shows how black text looks on a background with the XYZ color 16.6715, 17.0341, 55.8353.



This preview shows how white text looks on a background with the XYZ color 16.6715, 17.0341,

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

16.6715, 17.0341, 55.8353

Protanopia

18.7019, 17.1434, 52.1925

Deuteranopia

17.6809, 17.1951, 56.4199



Tritanopia

12.0333, 16.9563, 25.9312

Trichromacy



Original Color

16.6715, 17.0341, 55.8353

Protanomaly

17.1711, 16.6597, 53.3496

Deuteranomaly

17.1768, 17.1073, 56.4296

Tritanomaly

13.4657, 16.9185, 35.3568

Monochromacy



Original Color

16.6715, 17.0341, 55.8353

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.5540, 11.8759, 23.2087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6715, 17.0341, 55.8353 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, 118, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 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, 118, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 198) }
```

Border

The CSS property to change the border of an element to XYZ 16.6715, 17.0341, 55.8353 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, 118, 198) }
```


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

```
.border{ border-color:rgb(0, 118, 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, 118, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6715, 17.0341, 55.8353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 198) }
```

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

```
.background{ background-color: rgb(0, 118,  
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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