

Converting Colors

XYZ(16.8573, 17.3155, 55.8137)

Have a look what the booklet for
XYZ(16.8573, 17.3155, 55.8137)
contains.

XYZ(16.8650, 17.3096, 55.8783)	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(16.8650, 17.3096,
55.8783)**

Conversions

Conversions Part 1

Format	Color
Hex	0677C6
RGB	6, 119, 198
RGB Percent	2%, 47%, 78%
CMY	0.9763, 0.5333, 0.2235
CMYK	0.97, 0.40, 0.00, 0.22
HSL	205°, 94%, 40%
HSV	205°, 97%, 78%
XYZ	16.8650, 17.3096, 55.8783
YIQ	94.2190, -92.7070, 0.6130

Conversions

Conversions Part 2

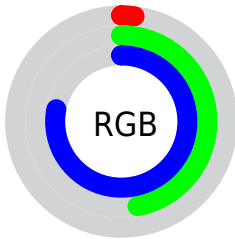
Format	Color
RYB	6, 77, 198
Decimal	423878
CIELab	48.65, 2.31, -48.66
CIELCh	49, 48.718, 272.719
Yxy	17.3096, 0.1873, 0.1922
Android (android.graphics.Color)	4278613958 (0xFF0677C6)
YUV	94.2190, 51.1640, -77.3681
Hunter-Lab	41.6048, -0.4513, -50.5074

Details

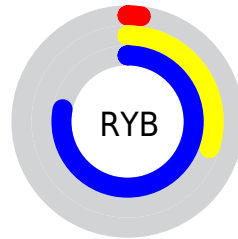
The XYZ color **16.8650, 17.3096, 55.8783** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **26.5740, 18.5232, 2.3483**, and the grayscale version is **10.5929, 11.1446, 12.1365**.

A 20% lighter version of the original color is **37.6499, 38.9425, 100.1400**, and **7.2873, 6.5201, 27.2600** is the 20% darker color. If you saturate the color by 10%, you get **16.4978, 16.6866, 55.7778**, and if you desaturate by 10%, it is **18.2239, 19.5123, 56.2322**.

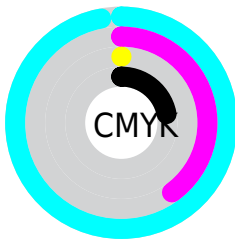
Distribution



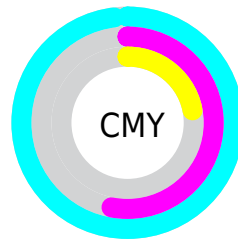
- Red (2%)
- Green (47%)
- Blue (78%)



- Red (2%)
- Yellow (30%)
- Blue (78%)



- Cyan (97%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8650, 17.3096, 55.8783 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 16.8650, 17.3096, 55.8783 by changing the saturation by 10% instead.

■ 16.8650, 17.3096,
55.8783

■ 16.8650, 17.3096,
55.8783

227.5647,
236.9502, 426.6081

■ 10.2330, 10.4555,
39.7020

■ 37.6390, 38.8573,
100.3106

■ 5.6172, 5.7020,
26.9943

■ 52.5116, 54.3197,
129.4038

■ 2.6521, 2.6647,
17.3365

■ 70.8619, 73.4203,
163.6396

■ 0.9726, 0.9593,
10.3102

■ 93.0551, 96.5435,
203.4367

■ 0.0000, 0.0000,
5.4968

■ 119.4567,
124.0737, 249.2135

■ 0.0000, 0.0000,
2.4778

■ 150.4318,

■ 0.0000, 0.0000,

156.3953, 301.3887

0.8284

186.3461,
193.8927, 360.3807

■ 0.0000, 0.0000,
0.0000

■ 16.8650, 17.3096,
55.8783

■ 16.8650, 17.3096,
55.8783

■ 16.4978, 16.6866,
55.7778

■ 18.2239, 19.5123,
56.2322

■ 20.0096, 22.0612,
56.6301

■ 22.2924, 24.9958,
57.0762

■ 25.1245, 28.3456,
57.5735

■ 28.5507, 32.1364,
58.1247

■ 32.6110, 36.3915,
58.7320

■ 37.3414, 41.1321,
59.3977

■ 42.7753, 46.3776,
60.1238

■ 48.9435, 52.1466,
60.9122

Harmonies

Analogous

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



12.8055, 17.3096, 50.4487



16.8650, 17.3096, 55.8783



21.5711, 17.3096, 48.2222

Triad

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



16.8650, 17.3096, 55.8783



24.8325, 17.3096, 8.3966



9.9129, 17.3096, 9.6376

Complementary

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



16.8650, 17.3096, 55.8783



26.5740, 18.5232, 2.3483

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.



12.2149, 17.3096, 4.7638



16.8650, 17.3096, 55.8783



20.7329, 17.3096, 4.3104

Square

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



16.8650, 17.3096, 55.8783



26.6645, 17.3096, 17.6990



16.0463, 17.3096, 3.3708



9.2505, 17.3096, 20.0440

Rectangle

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



16.8650, 17.3096, 55.8783



24.3176, 17.3096, 38.1295



16.0463, 17.3096, 3.3708



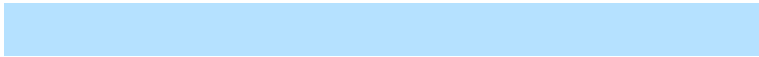
10.4971, 17.3096, 7.4912

Sweetspot

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



16.8657, 17.3101, 55.8788



63.9257, 70.6657, 104.8783



21.8246, 41.0494, 14.9217



12.9027, 14.3447, 22.3387



0.0000, 0.0000, 0.0000



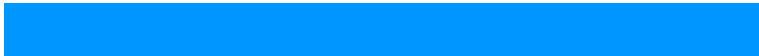
20.3446, 21.4041, 23.3091

Same Dimension

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



16.8657, 17.3101, 55.8788



28.9650, 29.0500, 98.6883



10.6216, 4.8218, 53.7974



10.5666, 11.3073, 13.5431



10.8148, 11.0236, 36.3021



0.5822, 0.6622, 1.7423

Inverse Universe

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



26.6843, 13.4690, 18.6464



46.7494, 23.4638, 30.9420



39.4031, 44.1812, 6.6247



10.8913, 10.7399, 12.4108



17.2582, 8.6528, 11.8353



0.8526, 0.4239, 0.7467

Previews

White Background



This preview shows how the XYZ color 16.8650, 17.3096, 55.8783 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 16.8650, 17.3096, 55.8783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

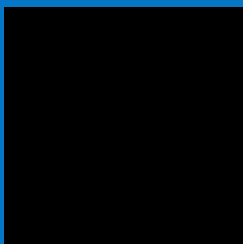
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

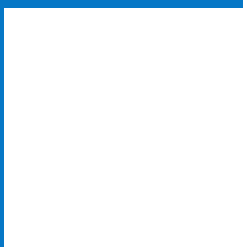
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8650, 17.3096, 55.8783

Background



This preview shows how black text looks on a background with the XYZ color 16.8650, 17.3096, 55.8783.



This preview shows how white text looks on a background with the XYZ color 16.8650, 17.3096,

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

16.8650, 17.3096, 55.8783

Protanopia

18.7883, 17.1880, 52.1965

Deuteranopia

17.8696, 17.2924, 56.4288



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

16.8650, 17.3096, 55.8783

Protanomaly

17.3897, 16.9408, 53.3923

Deuteranomaly

17.3298, 17.1862, 56.4367

Tritanomaly

13.6167, 17.1833, 35.3999

Monochromacy



Original Color

16.8650, 17.3096, 55.8783

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.0017, 12.3906, 23.6416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8650, 17.3096, 55.8783 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(6, 119, 198)` looks like.

```
.text, #text, p{  
    color:rgb(6, 119, 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(6, 119, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 119, 198) }
```

Border

The CSS property to change the border of an element to XYZ 16.8650, 17.3096, 55.8783 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(6, 119, 198) }
```


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

```
.border{ border-color:rgb(6, 119, 198) }
```

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

Here you see how a box with a 4 pixel rgb(6, 119, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 119, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 119, 198);  
box-shadow:4px 4px 4px 4px rgb(6, 119,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8650, 17.3096, 55.8783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 119, 198) }
```

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

```
.background{ background-color: rgb(6, 119,  
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](#).

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