

Converting Colors

XYZ(16.0339, 17.0878, 38.5296)

Have a look what the booklet for
XYZ(16.0339, 17.0878, 38.5296)
contains.

XYZ(16.0339, 17.0878, 38.5296)	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(16.0339, 17.0878,
38.5296)**

Conversions

Conversions Part 1

Format	Color
Hex	4876A6
RGB	72, 118, 166
RGB Percent	28%, 46%, 65%
CMY	0.7176, 0.5372, 0.3490
CMYK	0.57, 0.29, 0.00, 0.35
HSL	211°, 39%, 47%
HSV	211°, 57%, 65%
XYZ	16.0339, 17.0878, 38.5296
YIQ	109.7180, -42.8240, 5.1760

Conversions

Conversions Part 2

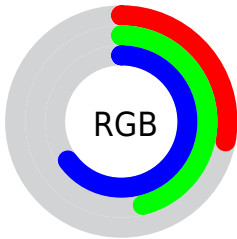
Format	Color
R _Y B	72, 103, 166
Decimal	4748966
CIE Lab	48.37, -1.19, -30.48
CIE LCh	48, 30.502, 267.770
Yxy	17.0878, 0.2238, 0.2385
Android (android.graphics.Color)	4282939046 (0xFF4876A6)
YUV	109.7180, 27.7470, -33.0787
Hunter-Lab	41.3374, -3.1041, -26.3266

Details

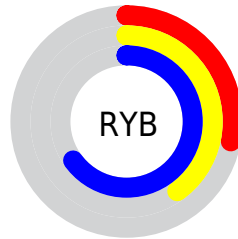
The XYZ color **16.0339, 17.0878, 38.5296** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.6128, 22.0089, 9.1354**, and the grayscale version is **14.6729, 15.4370, 16.8109**.

A 20% lighter version of the original color is **36.1783, 38.4819, 73.9276**, and **5.2274, 5.5952, 16.7241** is the 20% darker color. If you saturate the color by 10%, you get **14.0056, 14.6265, 38.1618**, and if you desaturate by 10%, it is **18.4872, 19.9020, 38.9438**.

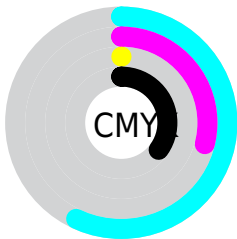
Distribution



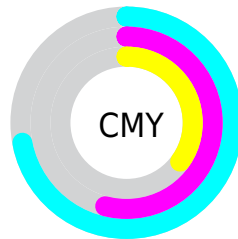
- Red (28%)
- Green (46%)
- Blue (65%)



- Red (28%)
- Yellow (40%)
- Blue (65%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (35%)



- Cyan (72%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0339, 17.0878, 38.5296 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 16.0339, 17.0878, 38.5296 by changing the saturation by 10% instead.

■ 16.0339, 17.0878,
38.5296

■ 16.0339, 17.0878,
38.5296

222.8081,
235.6778, 355.2525

■ 9.6391, 10.2971,
26.0890

■ 36.2140, 38.4767,
74.1316

■ 5.2208, 5.5964,
16.6638

■ 50.7301, 53.8436,
98.1300

■ 2.4135, 2.6013,
9.8357

■ 68.6840, 72.8382,
126.8180

■ 0.8518, 0.9273,
5.1860

■ 90.4410, 95.8446,
160.6143

■ 0.0000, 0.0000,
2.2961

■ 116.3666,
123.2474, 199.9374

■ 0.0000, 0.0000,
0.7291

146.8261,

■ 0.0000, 0.0000,

155.4310, 245.2057

0.0000

182.1848,
192.7796, 296.8379

■ 16.0339, 17.0878,
38.5296

■ 16.0339, 17.0878,
38.5296

■ 14.0056, 14.6265,
38.1618

■ 18.4872, 19.9020,
38.9438

■ 12.3707, 12.4975,
37.8370

■ 21.3906, 23.0844,
39.4051

■ 11.0952, 10.6798,
37.5534

■ 24.7690, 26.6515,
39.9155

■ 10.1308, 9.1447,
37.3079

■ 28.6449, 30.6181,
40.4769

■ 9.8427, 8.6727,
37.2320

■ 33.0394, 34.9979,
41.0906

■ 37.9722, 39.8042,
41.7584

■ 43.4620, 45.0493,
42.4814

■ 49.5265, 50.7452,
43.2612

■ 56.1826, 56.9033,
44.0990

Harmonies

Analogous

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



13.5490, 17.0878, 34.8331



16.0339, 17.0878, 38.5296



18.8671, 17.0878, 35.7477

Triad

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



16.0339, 17.0878, 38.5296



21.4569, 17.0878, 12.3344



12.1187, 17.0878, 11.5649

Complementary

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



16.0339, 17.0878, 38.5296



23.6128, 22.0089, 9.1354

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.



13.8714, 17.0878, 8.0654



16.0339, 17.0878, 38.5296



19.2689, 17.0878, 8.4121

Square

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



16.0339, 17.0878, 38.5296



22.2033, 17.0878, 19.2090



16.4508, 17.0878, 7.1012



11.4555, 17.0878, 18.0151

Rectangle

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



16.0339, 17.0878, 38.5296



20.5392, 17.0878, 30.9380



16.4508, 17.0878, 7.1012



12.5893, 17.0878, 10.0825

Sweetspot

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



16.0345, 17.0884, 38.5300



51.4705, 55.0463, 73.3875



19.6392, 29.9826, 22.2058



11.2035, 11.9993, 16.3778



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.0345, 17.0884, 38.5300



24.5683, 25.4684, 69.0963



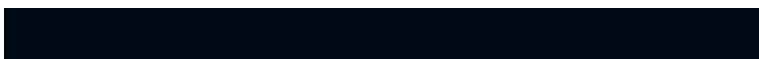
11.8735, 8.7665, 37.1430



7.4235, 7.8839, 9.5488



7.6791, 6.8183, 28.8868



0.2382, 0.2687, 0.7199

Inverse Universe

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



21.3138, 14.0505, 18.7288



35.5353, 20.9517, 27.5602



30.5322, 35.8477, 11.4418



7.6784, 7.6012, 8.6234



13.3766, 6.7594, 6.7949



0.3514, 0.1748, 0.3019

Previews

White Background



This preview shows how the XYZ color 16.0339, 17.0878, 38.5296 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 16.0339, 17.0878, 38.5296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

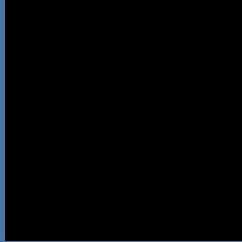
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0339, 17.0878, 38.5296

Background



This preview shows how black text looks on a background with the XYZ color 16.0339, 17.0878, 38.5296.

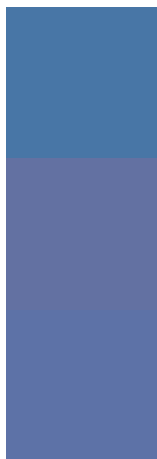


This preview shows how white text looks on a background with the XYZ color 16.0339, 17.0878,

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

16.0339, 17.0878, 38.5296

Protanopia

17.5723, 17.0715, 36.5514

Deuteranopia

17.5066, 17.1518, 38.9472



Tritanopia

13.3144, 17.0663, 25.1466

Trichromacy



Original Color

16.0339, 17.0878, 38.5296

Protanomaly

16.8614, 17.0297, 37.0487

Deuteranomaly

16.8521, 16.9828, 38.9490

Tritanomaly

14.2622, 17.0844, 29.7400

Monochromacy



Original Color

16.0339, 17.0878, 38.5296

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7583, 15.9088, 23.4119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0339, 17.0878, 38.5296 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(72, 118, 166)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 166)  
}
```

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(72, 118, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.0339, 17.0878, 38.5296 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(72, 118, 166) }
```


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

```
.border{ border-color:rgb(72, 118, 166) }
```

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

Here you see how a box with a 4 pixel rgb(72, 118, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 166);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0339, 17.0878, 38.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 118, 166) }
```

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

```
.background{ background-color: rgb(72, 118,  
166) }
```

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