

Converting Colors

XYZ(16.4622, 19.6132, 33.0868)

Have a look what the booklet for
XYZ(16.4622, 19.6132, 33.0868)
contains.

XYZ(16.4801, 19.6816, 33.0673)	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(16.4801, 19.6816,
33.0673)**

Conversions

Conversions Part 1

Format	Color
Hex	498299
RGB	73, 130, 153
RGB Percent	29%, 51%, 60%
CMY	0.7137, 0.4902, 0.4000
CMYK	0.52, 0.15, 0.00, 0.40
HSL	197°, 35%, 44%
HSV	197°, 52%, 60%
XYZ	16.4801, 19.6816, 33.0673
YIQ	115.5790, -41.3550, -4.9310

Conversions

Conversions Part 2

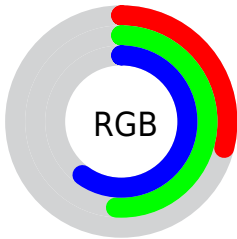
Format	Color
R_{YB}	73, 106, 153
Decimal	4817561
CIE _{Lab}	51.48, -12.03, -18.10
CIE _{LCh}	51, 21.731, 236.386
Yxy	19.6816, 0.2381, 0.2843
Android (android.graphics.Color)	4283007641 (0xFF498299)
YUV	115.5790, 18.4486, -37.3418
Hunter-Lab	44.3639, -11.3286, -13.1379

Details

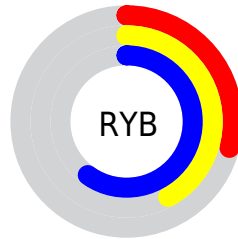
The XYZ color **16.4801, 19.6816, 33.0673** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5230, 15.6199, 8.3429**, and the grayscale version is **16.4269, 17.2824, 18.8205**.

A 20% lighter version of the original color is **36.9484, 42.8840, 65.3615**, and **5.4659, 6.9087, 13.6158** is the 20% darker color. If you saturate the color by 10%, you get **14.8878, 18.0110, 32.8291**, and if you desaturate by 10%, it is **18.3838, 21.5507, 33.3281**.

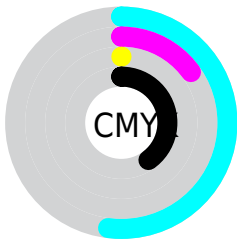
Distribution



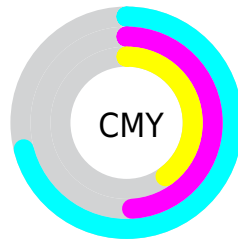
- Red (29%)
- Green (51%)
- Blue (60%)



- Red (29%)
- Yellow (42%)
- Blue (60%)



- Cyan (52%)
- Magenta (15%)
- Yellow (0%)
- Black (40%)



- Cyan (71%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4801, 19.6816, 33.0673 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 16.4801, 19.6816, 33.0673 by changing the saturation by 10% instead.

■ 16.4801, 19.6816,
33.0673

■ 16.4801, 19.6816,
33.0673

225.3734,
250.1862, 330.5942

■ 9.9575, 12.1638,
21.9065

■ 36.9805, 42.8827,
65.5978

■ 5.4328, 6.8553,
13.5905

■ 51.6889, 59.3348,
87.8046

■ 2.5407, 3.3718,
7.7009

■ 69.8567, 79.5338,
114.5304

■ 0.9158, 1.3288,
3.8192

■ 91.8493, 103.8641,
146.1938

■ 0.0000, 0.1633,
1.5267

■ 118.0318,
132.7101, 183.2133

■ 0.0000, 0.0000,
0.2377

148.7698,

■ 0.0000, 0.0000,

166.4562, 226.0076

0.0000

184.4285,
205.4868, 274.9950

■ 16.4801, 19.6816,
33.0673

■ 16.4801, 19.6816,
33.0673

■ 14.8878, 18.0110,
32.8291

■ 18.3838, 21.5507,
33.3281

■ 13.5835, 16.5252,
32.6111

■ 20.6166, 23.6266,
33.6111

■ 12.5432, 15.2117,
32.4124

■ 23.1968, 25.9197,
33.9177

■ 11.7379, 14.0550,
32.2316

■ 26.1409, 28.4388,
34.2488

■ 11.2198, 13.2399,
32.1015

■ 29.4642, 31.1922,
34.6051

■ 33.1812, 34.1880,
34.9874

■ 37.3056, 37.4335,
35.3965

■ 41.8503, 40.9358,
35.8330

■ 46.8277, 44.7017,
36.2975

Harmonies

Analogous

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



15.1962, 19.6816, 27.2222



16.4801, 19.6816, 33.0673



18.4437, 19.6816, 35.7883

Triad

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



16.4801, 19.6816, 33.0673



23.2115, 19.6816, 22.1959



16.9044, 19.6816, 12.3717

Complementary

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



16.4801, 19.6816, 33.0673



18.5230, 15.6199, 8.3429

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.



18.9724, 19.6816, 11.5402



16.4801, 19.6816, 33.0673



22.7202, 19.6816, 16.5237

Square

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



16.4801, 19.6816, 33.0673



22.4206, 19.6816, 28.7893



21.1255, 19.6816, 12.9040



15.4275, 19.6816, 15.4455

Rectangle

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



16.4801, 19.6816, 33.0673



19.9148, 19.6816, 35.1393



21.1255, 19.6816, 12.9040



17.5486, 19.6816, 11.8500

Sweetspot

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



16.4807, 19.6823, 33.0678



44.6091, 49.0616, 61.0907



16.2356, 25.0378, 14.9640



9.6333, 10.6477, 13.4650



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4807, 19.6823, 33.0678



26.1648, 31.7083, 58.7133



12.1825, 11.0860, 31.6350



6.2345, 6.7263, 7.8987



9.3023, 11.0013, 26.5409



0.1696, 0.2256, 0.4070

Inverse Universe

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



19.5493, 13.1499, 22.6275



32.5479, 19.6117, 36.6611



23.0973, 24.7685, 9.8676



6.3855, 6.2933, 7.4100



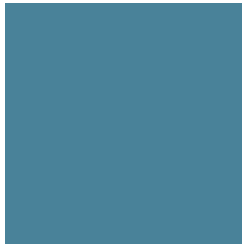
13.1542, 6.5159, 12.6027



0.2121, 0.1036, 0.2697

Previews

White Background



This preview shows how the XYZ color 16.4801, 19.6816, 33.0673 looks on a white 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

Black Background



This preview shows how the XYZ color 16.4801, 19.6816, 33.0673 looks on a black 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

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

XYZ 16.4801, 19.6816, 33.0673

Background



This preview shows how black text looks on a background with the XYZ color 16.4801, 19.6816, 33.0673.



This preview shows how white text looks on a background with the XYZ color 16.4801, 19.6816,

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

16.4801, 19.6816, 33.0673

Protanopia

19.4400, 19.5632, 30.3552

Deuteranopia

19.9690, 19.5814, 33.7375



Tritanopia

15.5880, 19.7207, 28.5761

Trichromacy



Original Color

16.4801, 19.6816, 33.0673

Protanomaly

17.9993, 19.3519, 31.2204

Deuteranomaly

18.4072, 19.5151, 33.3685

Tritanomaly

15.8304, 19.6100, 30.1449

Monochromacy



Original Color

16.4801, 19.6816, 33.0673

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0554, 17.9690, 23.3910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4801, 19.6816, 33.0673 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(73, 130, 153)` looks like.

```
.text, #text, p{  
    color:rgb(73, 130, 153)  
}
```

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(73, 130, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 130, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.4801, 19.6816, 33.0673 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(73, 130, 153) }
```


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

```
.border{ border-color:rgb(73, 130, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 130, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 130, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 130, 153);  
box-shadow:4px 4px 4px 4px rgb(73, 130,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4801, 19.6816, 33.0673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 130, 153) }
```

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

```
.background{ background-color: rgb(73, 130,  
153) }
```

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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