

Converting Colors

XYZ(17.0274, 16.9120, 33.5264)

Have a look what the booklet for
XYZ(17.0274, 16.9120, 33.5264)
contains.

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Color

**XYZ(16.9671, 16.8295,
33.3645)**

Conversions

Conversions Part 1

Format	Color
Hex	63719B
RGB	99, 113, 155
RGB Percent	39%, 44%, 61%
CMY	0.6118, 0.5569, 0.3922
CMYK	0.36, 0.27, 0.00, 0.39
HSL	225°, 22%, 50%
HSV	225°, 36%, 61%
XYZ	16.9671, 16.8295, 33.3645
YIQ	113.6020, -21.8260, 10.0940

Conversions

Conversions Part 2

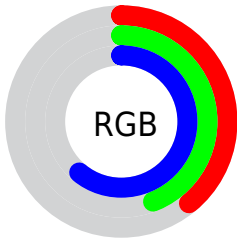
Format	Color
R_{YB}	99, 110, 155
Decimal	6517147
CIE _{Lab}	48.04, 5.48, -24.41
CIE _{LCh}	48, 25.021, 282.645
Yxy	16.8295, 0.2526, 0.2506
Android (android.graphics.Color)	4284707227 (0xFF63719B)
YUV	113.6020, 20.4092, -12.8060
Hunter-Lab	41.0238, 2.0345, -19.5037

Details

The XYZ color **16.9671, 16.8295, 33.3645** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.2949, 26.9194, 15.6677**, and the grayscale version is **15.8213, 16.6452, 18.1267**.

A 20% lighter version of the original color is **37.8505, 38.1427, 66.3401**, and **5.6556, 5.4330, 13.8473** is the 20% darker color. If you saturate the color by 10%, you get **14.2186, 13.6094, 32.8881**, and if you desaturate by 10%, it is **20.2079, 20.5508, 33.9123**.

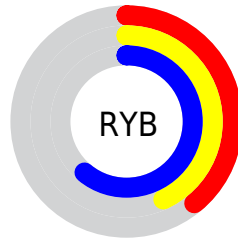
Distribution



Red (39%)

Green (44%)

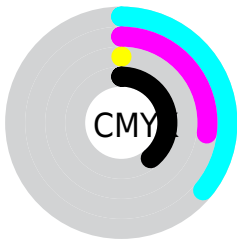
Blue (61%)



Red (39%)

Yellow (43%)

Blue (61%)

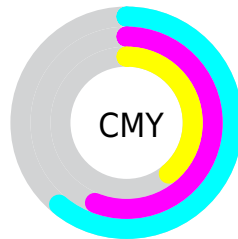


Cyan (36%)

Magenta (27%)

Yellow (0%)

Black (39%)



Cyan (61%)

Magenta (56%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9671, 16.8295, 33.3645 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 16.9671, 16.8295, 33.3645 by changing the saturation by 10% instead.

■ 16.9671, 16.8295,
33.3645

■ 16.9671, 16.8295,
33.3645

228.1427,
234.1879, 331.9712

■ 10.3062, 10.1130,
22.1324

■ 37.8132, 38.0324,
66.0667

■ 5.6663, 5.4739,
13.7550

■ 52.7292, 53.2876,
88.3740

■ 2.6819, 2.5279,
7.8137

■ 71.1276, 72.1578,
115.2100

■ 0.9879, 0.8906,
3.8899

■ 93.3737, 95.0274,
146.9934

■ 0.0000, 0.0000,
1.5651

119.8329,
122.2808, 184.1427

■ 0.0000, 0.0000,
0.2658

150.8705,

■ 0.0000, 0.0000,

154.3025, 227.0764

0.0000

186.8520,
191.4767, 276.2131

■ 16.9671, 16.8295,
33.3645

■ 16.9671, 16.8295,
33.3645

■ 14.2186, 13.6094,
32.8881

■ 20.2079, 20.5508,
33.9123

■ 11.9358, 10.8663,
32.4790

■ 23.9624, 24.7920,
34.5330

■ 10.0921, 8.5770,
32.1343

■ 28.2528, 29.5733,
35.2298

■ 8.6572, 6.7154,
31.8506

■ 33.0995, 34.9131,
36.0050

■ 7.5969, 5.2524,
31.6241

■ 38.5216, 40.8291,
36.8611

■ 6.8647, 4.1515,
31.4502

■ 44.5376, 47.3380,
37.8004

■ 6.6339, 3.8014,
31.3947

■ 51.1649, 54.4558,
38.8250

■ 58.4203, 62.1982,
39.9370

■ 66.3199, 70.5800,
41.1385

Harmonies

Analogous

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



14.7333, 16.8295, 32.9710



16.9671, 16.8295, 33.3645



19.1272, 16.8295, 29.0993

Triad

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



16.9671, 16.8295, 33.3645



19.4133, 16.8295, 11.1148



12.1932, 16.8295, 14.8542

Complementary

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



16.9671, 16.8295, 33.3645



25.2949, 26.9194, 15.6677

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.



13.2266, 16.8295, 10.6041



16.9671, 16.8295, 33.3645



17.3288, 16.8295, 8.8209

Square

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



16.9671, 16.8295, 33.3645



20.6264, 16.8295, 15.7306



15.0626, 16.8295, 8.6592



12.1162, 16.8295, 21.1888

Rectangle

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



16.9671, 16.8295, 33.3645



20.1784, 16.8295, 24.6650



15.0626, 16.8295, 8.6592



12.4354, 16.8295, 13.1758

Sweetspot

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



16.9677, 16.8301, 33.3649



46.5668, 48.4837, 62.4403



21.6059, 27.9911, 29.1012



10.3251, 10.7342, 14.0981



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.9677, 16.8301, 33.3649



26.5155, 25.6162, 59.0832



17.0693, 14.7399, 32.9561



6.0037, 6.2649, 7.8218



5.3550, 3.1067, 25.2251



0.1056, 0.0976, 0.3856

Inverse Universe

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



20.9605, 17.0850, 17.8165



34.7979, 26.4933, 26.7528



25.1178, 30.0888, 16.2888



6.2690, 6.2468, 6.7967



11.1617, 5.7189, 2.1107



0.1798, 0.0907, 0.0996

Previews

White Background



This preview shows how the XYZ color 16.9671, 16.8295, 33.3645 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 16.9671, 16.8295, 33.3645 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

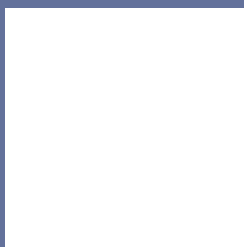
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9671, 16.8295, 33.3645

Background



This preview shows how black text looks on a background with the XYZ color 16.9671, 16.8295, 33.3645.



This preview shows how white text looks on a background with the XYZ color 16.9671, 16.8295,

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

16.9671, 16.8295, 33.3645

Protanopia

17.1901, 16.7797, 33.3431

Deuteranopia

17.0774, 16.7216, 33.3379



Tritanopia

14.8889, 16.8425, 22.8883

Trichromacy



Original Color

16.9671, 16.8295, 33.3645

Protanomaly

17.0774, 16.7216, 33.3379

Deuteranomaly

16.9661, 16.6642, 33.3327

Tritanomaly

15.5522, 16.7587, 26.4598

Monochromacy



Original Color

16.9671, 16.8295, 33.3645

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.2864, 16.8708, 23.1669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9671, 16.8295, 33.3645 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(99, 113, 155)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 155)  
}
```

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(99, 113, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 155) }
```

Border

The CSS property to change the border of an element to XYZ 16.9671, 16.8295, 33.3645 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(99, 113, 155) }
```


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

```
.border{ border-color:rgb(99, 113, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 155);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9671, 16.8295, 33.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 155) }
```

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

```
.background{ background-color: rgb(99, 113,  
155) }
```

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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