

Converting Colors

XYZ(16.5499, 17.3883, 34.5285)

Have a look what the booklet for
XYZ(16.5499, 17.3883, 34.5285)
contains.

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Color

**XYZ(16.5887, 17.4659,
34.3952)**

Conversions

Conversions Part 1

Format	Color
Hex	58769D
RGB	88, 118, 157
RGB Percent	35%, 46%, 62%
CMY	0.6549, 0.5372, 0.3843
CMYK	0.44, 0.25, 0.00, 0.38
HSL	214°, 28%, 48%
HSV	214°, 44%, 62%
XYZ	16.5887, 17.4659, 34.3952
YIQ	113.4760, -30.3990, 5.7690

Conversions

Conversions Part 2

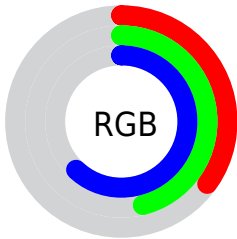
Format	Color
R_{YB}	88, 109, 157
Decimal	5797533
CIE _{Lab}	48.84, -0.07, -24.41
CIE _{LCh}	49, 24.414, 269.840
Yxy	17.4659, 0.2423, 0.2552
Android (android.graphics.Color)	4283987613 (0xFF58769D)
YUV	113.4760, 21.4573, -22.3425
Hunter-Lab	41.7922, -2.2839, -19.5414

Details

The XYZ color **16.5887, 17.4659, 34.3952** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.2558, 23.0518, 12.4568**, and the grayscale version is **15.7826, 16.6045, 18.0823**.

A 20% lighter version of the original color is **37.2429, 39.1656, 67.8842**, and **5.5192, 5.7960, 14.4635** is the 20% darker color. If you saturate the color by 10%, you get **14.2633, 14.7884, 34.0013**, and if you desaturate by 10%, it is **19.3337, 20.5064, 34.8377**.

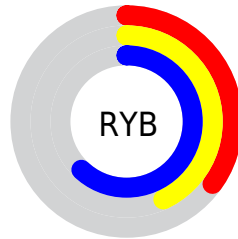
Distribution



Red (35%)

Green (46%)

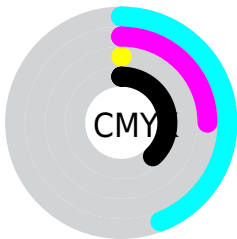
Blue (62%)



Red (35%)

Yellow (43%)

Blue (62%)

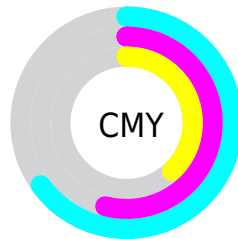


Cyan (44%)

Magenta (25%)

Yellow (0%)

Black (38%)



Cyan (65%)

Magenta (54%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5887, 17.4659, 34.3952 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 16.5887, 17.4659, 34.3952 by changing the saturation by 10% instead.

■ 16.5887, 17.4659,
34.3952

■ 16.5887, 17.4659,
34.3952

225.9936,
237.8431, 336.7134

■ 10.0352, 10.5672,
22.9176

■ 37.1665, 39.1251,
67.6887

■ 5.4847, 5.7766,
14.3279

■ 51.9215, 54.6544,
90.3416

■ 2.5720, 2.7097,
8.2077

■ 70.1409, 73.8294,
117.5567

■ 0.9317, 0.9821,
4.1385

■ 92.1903, 97.0344,
149.7524

■ 0.0000, 0.0000,
1.7016

118.4349,
124.6539, 187.3475

■ 0.0000, 0.0000,
0.3618

149.2401,

■ 0.0000, 0.0000,

157.0723, 230.7603

0.0000

184.9712,
194.6739, 280.4094

■ 16.5887, 17.4659,
34.3952

■ 16.5887, 17.4659,
34.3952

■ 14.2633, 14.7884,
34.0013

■ 19.3337, 20.5064,
34.8377

■ 12.3322, 12.4558,
33.6528

■ 22.5180, 23.9228,
35.3293

■ 10.7701, 10.4512,
33.3482

■ 26.1621, 27.7298,
35.8721

■ 9.5474, 8.7549,
33.0852

■ 30.2846, 31.9405,
36.4675

■ 8.6291, 7.3444,
32.8614

■ 34.9032, 36.5675,
37.1172

■ 8.1689, 6.6004,
32.7420

■ 40.0345, 41.6227,
37.8225

■ 45.6943, 47.1175,
38.5848

■ 51.8978, 53.0630,
39.4055

■ 58.6594, 59.4695,
40.2857

Harmonies

Analogous

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



14.5097, 17.4659, 31.9519



16.5887, 17.4659, 34.3952



18.8609, 17.4659, 32.0009

Triad

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



16.5887, 17.4659, 34.3952



20.6675, 17.4659, 13.4672



13.1163, 17.4659, 13.4195

Complementary

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



16.5887, 17.4659, 34.3952



23.2558, 23.0518, 12.4568

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.



14.5289, 17.4659, 10.1281



16.5887, 17.4659, 34.3952



18.8838, 17.4659, 10.1510

Square

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



16.5887, 17.4659, 34.3952



21.3422, 17.4659, 19.0521



16.6129, 17.4659, 9.0811



12.6194, 17.4659, 18.9827

Rectangle

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



16.5887, 17.4659, 34.3952



20.1525, 17.4659, 28.2372



16.6129, 17.4659, 9.0811



13.4931, 17.4659, 12.0608

Sweetspot

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



16.5893, 17.4666, 34.3956



47.3400, 50.1630, 64.3141



19.8446, 27.6941, 24.0218



10.1013, 10.7120, 14.1056



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.



16.5893, 17.4666, 34.3956



25.5162, 26.4517, 60.8876



13.9349, 11.6614, 33.4150



6.5101, 6.8860, 8.3927



6.6702, 5.4319, 26.6041



0.1606, 0.1798, 0.4895

Inverse Universe

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



20.6648, 15.4561, 19.0344



34.0233, 23.1611, 28.6200



27.0597, 31.6448, 13.9149



6.7468, 6.6916, 7.5179



12.1650, 6.1706, 5.1200



0.2384, 0.1187, 0.2014

Previews

White Background



This preview shows how the XYZ color 16.5887, 17.4659, 34.3952 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 16.5887, 17.4659, 34.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

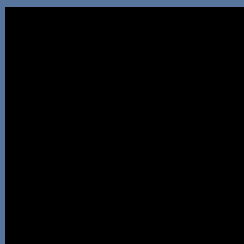
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

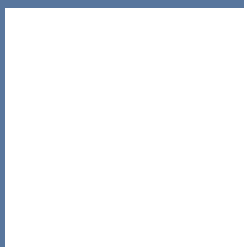
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5887, 17.4659, 34.3952

Background



This preview shows how black text looks on a background with the XYZ color 16.5887, 17.4659, 34.3952.

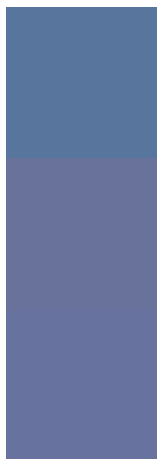


This preview shows how white text looks on a background with the XYZ color 16.5887, 17.4659,

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

16.5887, 17.4659, 34.3952

Protanopia

17.6757, 17.3710, 32.9932

Deuteranopia

17.7824, 17.3868, 34.7665



Tritanopia

14.6412, 17.5812, 24.4516

Trichromacy



Original Color

16.5887, 17.4659, 34.3952

Protanomaly

17.1927, 17.2807, 33.4397

Deuteranomaly

17.3393, 17.3268, 34.7783

Tritanomaly

15.3012, 17.4826, 27.7673

Monochromacy



Original Color

16.5887, 17.4659, 34.3952

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8021, 16.7895, 23.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5887, 17.4659, 34.3952 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(88, 118, 157)` looks like.

```
.text, #text, p{  
    color:rgb(88, 118, 157)  
}
```

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(88, 118, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 118, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.5887, 17.4659, 34.3952 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(88, 118, 157) }
```


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

```
.border{ border-color:rgb(88, 118, 157) }
```

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

Here you see how a box with a 4 pixel rgb(88, 118, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 118, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 118, 157);  
box-shadow:4px 4px 4px 4px rgb(88, 118,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5887, 17.4659, 34.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 118, 157) }
```

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

```
.background{ background-color: rgb(88, 118,  
157) }
```

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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