

Converting Colors

XYZ(16.7730, 17.6802, 32.9104)

Have a look what the booklet for
XYZ(16.7730, 17.6802, 32.9104)
contains.

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Color

**XYZ(16.7248, 17.5653,
33.0808)**

Conversions

Conversions Part 1

Format	Color
Hex	5C769A
RGB	92, 118, 154
RGB Percent	36%, 46%, 60%
CMY	0.6392, 0.5372, 0.3961
CMYK	0.40, 0.23, 0.00, 0.40
HSL	215°, 25%, 48%
HSV	215°, 40%, 60%
XYZ	16.7248, 17.5653, 33.0808
YIQ	114.3300, -27.0520, 5.6840

Conversions

Conversions Part 2

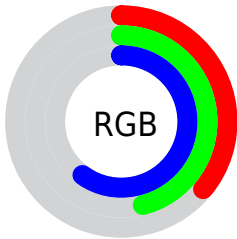
Format	Color
R_{YB}	92, 110, 154
Decimal	6059674
CIE _{Lab}	48.96, 0.16, -22.44
CIE _{LCh}	49, 22.445, 270.421
Yxy	17.5653, 0.2482, 0.2607
Android (android.graphics.Color)	4284249754 (0xFF5C769A)
YUV	114.3300, 19.5573, -19.5834
Hunter-Lab	41.9110, -2.1128, -17.4606

Details

The XYZ color **16.7248, 17.5653, 33.0808** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.9777, 23.0814, 13.3699**, and the grayscale version is **16.0427, 16.8781, 18.3803**.

A 20% lighter version of the original color is **37.3849, 39.2822, 65.9334**, and **5.5528, 5.8310, 13.6648** is the 20% darker color. If you saturate the color by 10%, you get **14.3365, 14.8446, 32.6818**, and if you desaturate by 10%, it is **19.5269, 20.6483, 33.5285**.

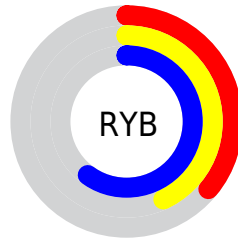
Distribution



Red (36%)

Green (46%)

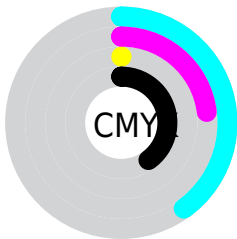
Blue (60%)



Red (36%)

Yellow (43%)

Blue (60%)

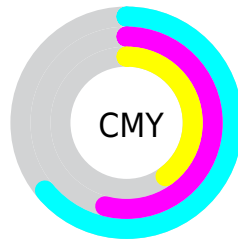


Cyan (40%)

Magenta (23%)

Yellow (0%)

Black (40%)



Cyan (64%)

Magenta (54%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7248, 17.5653, 33.0808 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 16.7248, 17.5653, 33.0808 by changing the saturation by 10% instead.

■ 16.7248, 17.5653,
33.0808

■ 16.7248, 17.5653,
33.0808

226.7687,
238.4093, 330.6568

■ 10.1326, 10.6384,
21.9167

■ 37.3994, 39.2952,
65.6191

■ 5.5499, 5.8242,
13.5980

■ 52.2124, 54.8669,
87.8305

■ 2.6114, 2.7385,
7.7061

■ 70.4965, 74.0891,
114.5613

■ 0.9518, 0.9968,
3.8224

■ 92.6168, 97.3460,
146.2301

■ 0.0000, 0.0000,
1.5284

118.9389,
125.0221, 183.2556

■ 0.0000, 0.0000,
0.2390

149.8280,

■ 0.0000, 0.0000,

157.5017, 226.0562

0.0000

185.6495,
195.1693, 275.0504

■ 16.7248, 17.5653,
33.0808

■ 16.7248, 17.5653,
33.0808

■ 14.3365, 14.8446,
32.6818

■ 19.5269, 20.6483,
33.5285

■ 12.3383, 12.4688,
32.3286

■ 22.7611, 24.1058,
34.0254

■ 10.7068, 10.4218,
32.0195

■ 26.4467, 27.9519,
34.5735

■ 9.4151, 8.6853,
31.7524

■ 30.6014, 32.1995,
35.1744

■ 8.4317, 7.2384,
31.5249

■ 35.2416, 36.8605,
35.8295

■ 7.6992, 6.0659,
31.3372

■ 40.3833, 41.9466,
36.5402

■ 46.0413, 47.4687,
37.3079

■ 52.2301, 53.4376,
38.1338

■ 58.9636, 59.8635,
39.0193

Harmonies

Analogous

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



14.7909, 17.5653, 30.9687



16.7248, 17.5653, 33.0808



18.8117, 17.5653, 30.8524

Triad

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



16.7248, 17.5653, 33.0808



20.4021, 17.5653, 13.8745



13.4416, 17.5653, 13.9930

Complementary

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



16.7248, 17.5653, 33.0808



22.9777, 23.0814, 13.3699

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.



14.7439, 17.5653, 10.8254



16.7248, 17.5653, 33.0808



18.7565, 17.5653, 10.7677

Square

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



16.7248, 17.5653, 33.0808



21.0402, 17.5653, 19.0413



16.6658, 17.5653, 9.7782



12.9939, 17.5653, 19.2102

Rectangle

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



16.7248, 17.5653, 33.0808



19.9847, 17.5653, 27.4264



16.6658, 17.5653, 9.7782



13.7882, 17.5653, 12.6955

Sweetspot

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



16.7254, 17.5660, 33.0812



46.6483, 49.3343, 62.6001



19.8092, 26.9227, 24.2773



10.3731, 10.9740, 14.1418



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.



16.7254, 17.5660, 33.0812



26.5645, 27.5707, 59.4579



14.4983, 12.4820, 32.2173



6.0867, 6.4308, 7.8494



6.3066, 5.0099, 25.5423



0.1291, 0.1445, 0.3935

Inverse Universe

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



20.4241, 15.8329, 19.1198



34.3695, 24.5868, 29.8457



26.0409, 30.3557, 14.6125



6.3109, 6.2635, 7.0172



11.6420, 5.9111, 4.6400



0.1916, 0.0954, 0.1619

Previews

White Background



This preview shows how the XYZ color 16.7248, 17.5653, 33.0808 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 16.7248, 17.5653, 33.0808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

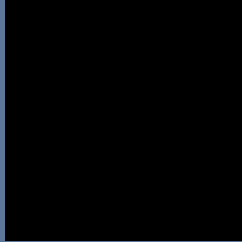
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

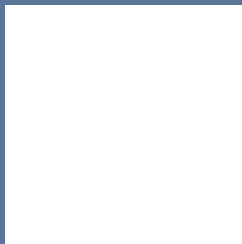
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7248, 17.5653, 33.0808

Background



This preview shows how black text looks on a background with the XYZ color 16.7248, 17.5653, 33.0808.



This preview shows how white text looks on a background with the XYZ color 16.7248, 17.5653,

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

16.7248, 17.5653, 33.0808

Protanopia

17.7421, 17.5926, 32.1664

Deuteranopia

17.8776, 17.4654, 33.4392



Tritanopia

14.9621, 17.5634, 24.4313

Trichromacy



Original Color

16.7248, 17.5653, 33.0808

Protanomaly

17.3620, 17.5574, 32.6108

Deuteranomaly

17.4140, 17.3947, 33.4500

Tritanomaly

15.5955, 17.6429, 27.3944

Monochromacy



Original Color

16.7248, 17.5653, 33.0808

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0370, 16.9106, 23.1877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7248, 17.5653, 33.0808 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(92, 118, 154)` looks like.

```
.text, #text, p{  
    color:rgb(92, 118, 154)  
}
```

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(92, 118, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 118, 154) }
```

Border

The CSS property to change the border of an element to XYZ 16.7248, 17.5653, 33.0808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

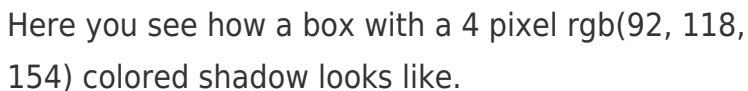
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 118, 154) }
```


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

```
.border{ border-color:rgb(92, 118, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 118, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(92, 118, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(92, 118, 154); box-shadow:4px 4px 4px 4px rgb(92, 118, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7248, 17.5653, 33.0808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 118, 154) }
```

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

```
.background{ background-color: rgb(92, 118,  
154) }
```

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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