

Converting Colors

XYZ(17.8417, 17.5789, 33.7332)

Have a look what the booklet for
XYZ(17.8417, 17.5789, 33.7332)
contains.

XYZ(17.8404, 17.6048, 33.9103)	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(17.8404, 17.6048,
33.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	68739C
RGB	104, 115, 156
RGB Percent	41%, 45%, 61%
CMY	0.5921, 0.5490, 0.3882
CMYK	0.33, 0.26, 0.00, 0.39
HSL	227°, 21%, 51%
HSV	227°, 33%, 61%
XYZ	17.8404, 17.6048, 33.9103
YIQ	116.3850, -19.7170, 10.4190

Conversions

Conversions Part 2

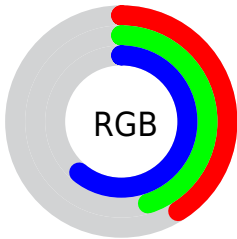
Format	Color
R_YB	104, 113, 156
Decimal	6845340
CIE Lab	49.01, 6.05, -23.48
CIE LCh	49, 24.243, 284.455
Yxy	17.6048, 0.2572, 0.2538
Android (android.graphics.Color)	4285035420 (0xFF68739C)
YUV	116.3850, 19.5302, -10.8616
Hunter-Lab	41.9581, 2.4708, -18.5472

Details

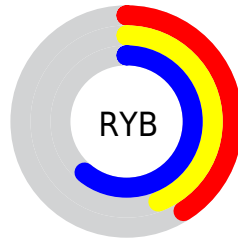
The XYZ color **17.8404, 17.6048, 33.9103** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.3348, 28.3186, 17.1754**, and the grayscale version is **16.6653, 17.5332, 19.0936**.

A 20% lighter version of the original color is **39.2869, 39.4085, 67.1640**, and **6.0783, 5.8185, 14.1673** is the 20% darker color. If you saturate the color by 10%, you get **14.8842, 14.1361, 33.3969**, and if you desaturate by 10%, it is **21.3200, 21.6219, 34.5026**.

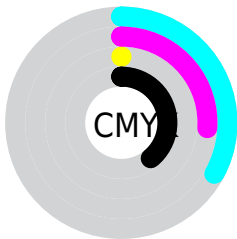
Distribution



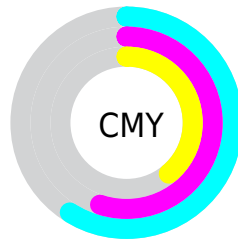
- Red (41%)
- Green (45%)
- Blue (61%)



- Red (41%)
- Yellow (44%)
- Blue (61%)



- Cyan (33%)
- Magenta (26%)
- Yellow (0%)
- Black (39%)



- Cyan (59%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8404, 17.6048, 33.9103 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 17.8404, 17.6048, 33.9103 by changing the saturation by 10% instead.

■ 17.8404, 17.6048,
33.9103

■ 17.8404, 17.6048,
33.9103

233.0329,
238.6340, 334.4888

■ 10.9345, 10.6666,
22.5479

■ 39.2974, 39.3628,
66.9265

■ 6.0897, 5.8431,
14.0579

■ 54.5792, 54.9513,
89.4173

■ 2.9409, 2.7499,
8.0217

■ 73.3836, 74.1922,
116.4547

■ 1.1226, 1.0026,
4.0209

■ 96.0760, 97.4696,
148.4571

■ 0.0439, 0.0000,
1.6368

123.0218,
125.1682, 185.8433

■ 0.0000, 0.0000,
0.3169

154.5863,

■ 0.0000, 0.0000,

157.6721, 229.0316

0.0000

191.1349,
195.3659, 278.4406

■ 17.8404, 17.6048,
33.9103

■ 17.8404, 17.6048,
33.9103

■ 14.8842, 14.1361,
33.3969

■ 21.3200, 21.6219,
34.5026

■ 12.4237, 11.1894,
32.9578

■ 25.3452, 26.2082,
35.1757

■ 10.4314, 8.7394,
32.5899

■ 29.9391, 31.3855,
35.9329

■ 8.8761, 6.7576,
32.2893

■ 35.1229, 37.1743,
36.7770

■ 7.7230, 5.2122,
32.0518

■ 40.9169, 43.5937,
37.7107

■ 6.9310, 4.0673,
31.8726

■ 47.3400, 50.6624,
38.7366

■ 6.5447, 3.4881,
31.7812

■ 54.4108, 58.3978,
39.8570

■ 62.1467, 66.8171,
41.0743

■ 70.5646, 75.9366,
42.3909

Harmonies

Analogous

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



15.5958, 17.6048, 33.8208



17.8404, 17.6048, 33.9103



19.9622, 17.6048, 29.4873

Triad

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



17.8404, 17.6048, 33.9103



20.0280, 17.6048, 11.7111



12.8880, 17.6048, 16.0250

Complementary

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



17.8404, 17.6048, 33.9103



26.3348, 28.3186, 17.1754

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.



13.8720, 17.6048, 11.5910



17.8404, 17.6048, 33.9103



17.9239, 17.6048, 9.5098

Square

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



17.8404, 17.6048, 33.9103



21.3001, 17.6048, 16.2287



15.6721, 17.6048, 9.4714



12.8701, 17.6048, 22.4437

Rectangle

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



17.8404, 17.6048, 33.9103



20.9648, 17.6048, 25.0475



15.6721, 17.6048, 9.4714



13.1126, 17.6048, 14.2901

Sweetspot

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



17.8410, 17.6055, 33.9107



48.5357, 50.4310, 64.3028



22.6882, 28.7565, 31.0356



10.4489, 10.8359, 14.1112



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.



17.8410, 17.6055, 33.9107



28.3106, 27.1839, 60.8816



18.5228, 16.2047, 33.6044



6.3928, 6.6514, 8.3536



5.4123, 2.9162, 26.1849



0.1235, 0.1056, 0.4771

Inverse Universe

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



21.7556, 18.2070, 18.5880



36.6193, 28.7384, 28.2974



25.4175, 30.4630, 17.6376



6.6876, 6.6680, 7.2062



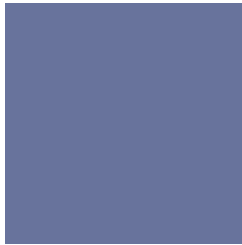
11.5301, 5.9166, 1.7766



0.2197, 0.1112, 0.1028

Previews

White Background



This preview shows how the XYZ color 17.8404, 17.6048, 33.9103 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 17.8404, 17.6048, 33.9103 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

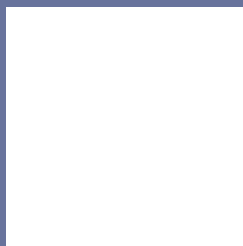
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8404, 17.6048, 33.9103

Background



This preview shows how black text looks on a background with the XYZ color 17.8404, 17.6048, 33.9103.



This preview shows how white text looks on a background with the XYZ color 17.8404, 17.6048,

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

17.8404, 17.6048, 33.9103

Protanopia

17.9572, 17.6650, 33.9157

Deuteranopia

17.9572, 17.6650, 33.9157



Tritanopia

15.7827, 17.6413, 23.6924

Trichromacy



Original Color

17.8404, 17.6048, 33.9103

Protanomaly

17.9572, 17.6650, 33.9157

Deuteranomaly

17.9572, 17.6650, 33.9157

Tritanomaly

16.3942, 17.5303, 26.9457

Monochromacy



Original Color

17.8404, 17.6048, 33.9103

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0242, 17.5742, 23.9676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8404, 17.6048, 33.9103 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(104, 115, 156)` looks like.

```
.text, #text, p{  
    color:rgb(104, 115, 156)  
}
```

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(104, 115, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 115, 156) }
```

Border

The CSS property to change the border of an element to XYZ 17.8404, 17.6048, 33.9103 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(104, 115, 156) }
```


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

```
.border{ border-color:rgb(104, 115, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 115, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 115, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 115, 156);  
box-shadow:4px 4px 4px 4px rgb(104, 115,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8404, 17.6048, 33.9103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 115, 156) }
```

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

```
.background{ background-color: rgb(104,  
115, 156) }
```

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