

Converting Colors

XYZ(17.1357, 17.8214, 19.8382)

Have a look what the booklet for
XYZ(17.1357, 17.8214, 19.8382)
contains.

XYZ(17.1623, 17.9060, 20.0044)	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(17.1623, 17.9060,
20.0044)**

Conversions

Conversions Part 1

Format	Color
Hex	767577
RGB	118, 117, 119
RGB Percent	46%, 46%, 47%
CMY	0.5372, 0.5412, 0.5333
CMYK	0.01, 0.02, 0.00, 0.53
HSL	270°, 1%, 46%
HSV	270°, 2%, 47%
XYZ	17.1623, 17.9060, 20.0044
YIQ	117.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

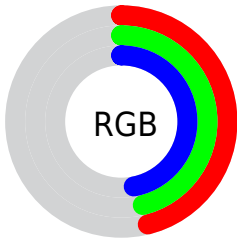
Format	Color
R_{YB}	118, 117, 119
Decimal	7763319
CIE _{Lab}	49.38, 0.79, -0.97
CIE _{LCh}	49, 1.250, 309.084
Yxy	17.9060, 0.3116, 0.3251
Android (android.graphics.Color)	4285953399 (0xFF767577)
YUV	117.5270, 0.7262, 0.4148
Hunter-Lab	42.3155, -1.6561, 1.5918

Details

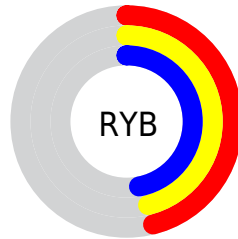
The XYZ color **17.1623, 17.9060, 20.0044** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2795, 18.3300, 19.4577**, and the grayscale version is **17.0704, 17.9594, 19.5578**.

A 20% lighter version of the original color is **38.1162, 39.8623, 44.2133**, and **5.7912, 6.0133, 6.8167** is the 20% darker color. If you saturate the color by 10%, you get **15.0801, 14.9039, 19.5350**, and if you desaturate by 10%, it is **19.4728, 21.2885, 20.5358**.

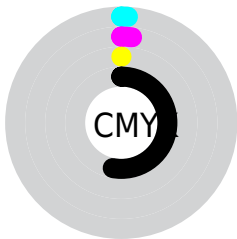
Distribution



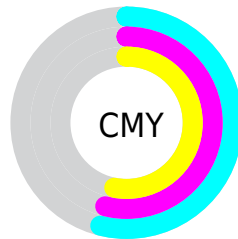
- Red (46%)
- Green (46%)
- Blue (47%)



- Red (46%)
- Yellow (46%)
- Blue (47%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (54%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1623, 17.9060, 20.0044 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 17.1623, 17.9060, 20.0044 by changing the saturation by 10% instead.

■ 17.1623, 17.9060,
20.0044

■ 17.1623, 17.9060,
20.0044

229.2440,
240.3407, 264.5440

■ 10.4463, 10.8825,
12.2141

■ 38.1460, 39.8771,
44.2836

■ 5.7604, 5.9879,
6.7654

■ 53.1444, 55.5935,
61.6097

■ 2.7392, 2.8377,
3.2396

■ 71.6343, 74.9763,
82.9514

■ 1.0174, 1.0476,
1.2182

93.9811, 98.4100,
108.7273

■ 0.0000, 0.0000,
0.0000

120.5501,
126.2788, 139.3560

151.7067,

158.9673, 175.2560

187.8162,
196.8598, 216.8458

■ 17.1623, 17.9060,
20.0044

■ 17.1623, 17.9060,
20.0044

■ 15.0801, 14.9039,
19.5350

■ 19.4728, 21.2885,
20.5358

■ 13.2173, 12.2663,
19.1240

■ 22.0172, 25.0620,
21.1300

■ 11.5662, 9.9794,
18.7696

■ 24.8029, 29.2397,
21.7896

■ 10.1185, 8.0276,
18.4692

■ 27.8365, 33.8333,
22.5164

■ 8.8650, 6.3945,
18.2200

■ 31.1241, 38.8542,
23.3122

7.7959, 5.0617,
18.0191

34.6719, 44.3131,
24.1789

6.9004, 4.0092,
17.8632

38.4856, 50.2206,
25.1182

6.1663, 3.2145,
17.7485

42.5709, 56.5868,
26.1316

5.5796, 2.6513,
17.6707

46.9333, 63.4214,
27.2209

Harmonies

Analogous

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



17.0549, 17.9060, 20.1441



17.1623, 17.9060, 20.0044



17.2315, 17.9060, 19.7291

Triad

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



17.1623, 17.9060, 20.0044



17.1001, 17.9060, 18.8970



16.7965, 17.9060, 19.5992

Complementary

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



17.1623, 17.9060, 20.0044



17.2795, 18.3300, 19.4577

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.



16.8084, 17.9060, 19.2660



17.1623, 17.9060, 20.0044



16.9834, 17.9060, 18.8631

Square

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



17.1623, 17.9060, 20.0044



17.1955, 17.9060, 19.0905



16.8767, 17.9060, 18.9974



16.8439, 17.9060, 19.9084

Rectangle

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



17.1623, 17.9060, 20.0044



17.2466, 17.9060, 19.5070



16.8767, 17.9060, 18.9974



16.7937, 17.9060, 19.4862

Sweetspot

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



17.1628, 17.9068, 20.0048



30.9912, 32.4405, 35.8813



17.1489, 18.0791, 20.0388



7.3518, 7.6985, 8.5052



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



17.1628, 17.9068, 20.0048



30.5876, 31.8537, 35.7893



17.2947, 17.9748, 20.0110



4.0158, 4.1872, 4.6868



5.4729, 2.4127, 18.7198



25.6820, 11.2480, 91.1778

Inverse Universe

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



17.2396, 17.9532, 19.6969



30.7553, 31.9553, 35.1167



17.1489, 18.2627, 19.4516



4.0351, 4.1989, 4.6093



8.9312, 4.5062, 4.8459



43.0904, 21.7863, 21.3372

Previews

White Background



This preview shows how the XYZ color 17.1623, 17.9060, 20.0044 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 17.1623, 17.9060, 20.0044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

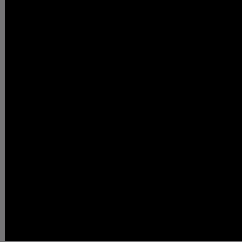
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

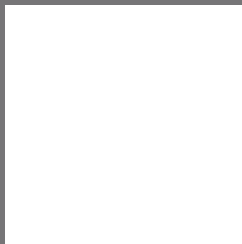
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1623, 17.9060, 20.0044

Background



This preview shows how black text looks on a background with the XYZ color 17.1623, 17.9060, 20.0044.



This preview shows how white text looks on a background with the XYZ color 17.1623, 17.9060,

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

17.1623, 17.9060, 20.0044

Protanopia

17.2988, 17.9764, 20.0108

Deuteranopia

18.3096, 17.9799, 20.2747



Tritanopia

17.5548, 17.8934, 21.9306

Trichromacy



Original Color

17.1623, 17.9060, 20.0044

Protanomaly

17.2988, 17.9764, 20.0108

Deuteranomaly

17.8331, 17.9026, 20.2849

Tritanomaly

17.4283, 17.8428, 21.2643

Monochromacy



Original Color

17.1623, 17.9060, 20.0044

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2197, 18.1164, 19.7288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1623, 17.9060, 20.0044 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(118, 117, 119)` looks like.

```
.text, #text, p{  
    color:rgb(118, 117, 119)  
}
```

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(118, 117, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 117, 119) }
```

Border

The CSS property to change the border of an element to XYZ 17.1623, 17.9060, 20.0044 is called "border". The border property can be set on classes, ids or directly on the HTML element.

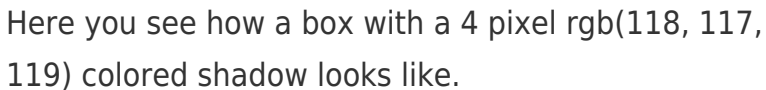
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 117, 119) }
```


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

```
.border{ border-color:rgb(118, 117, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 117, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 117, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 117, 119); box-shadow:4px 4px 4px 4px rgb(118, 117, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1623, 17.9060, 20.0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 117, 119) }
```

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

```
.background{ background-color: rgb(118,  
117, 119) }
```

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