

Converting Colors

XYZ(17.2256, 18.1109, 20.2452)

Have a look what the booklet for
XYZ(17.2256, 18.1109, 20.2452)
contains.

XYZ(17.2047, 18.0948, 20.3552)	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(17.2047, 18.0948,
20.3552)**

Conversions

Conversions Part 1

Format	Color
Hex	757678
RGB	117, 118, 120
RGB Percent	46%, 46%, 47%
CMY	0.5412, 0.5372, 0.5294
CMYK	0.03, 0.02, 0.00, 0.53
HSL	220°, 1%, 46%
HSV	220°, 3%, 47%
XYZ	17.2047, 18.0948, 20.3552
YIQ	117.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

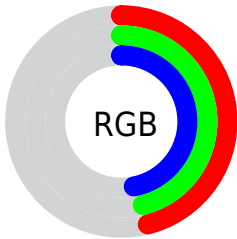
Format	Color
R_{YB}	117, 118, 120
Decimal	7698040
CIE _{Lab}	49.61, 0.03, -1.24
CIE _{LCh}	50, 1.237, 271.558
Yxy	18.0948, 0.3091, 0.3251
Android (android.graphics.Color)	4285888120 (0xFF757678)
YUV	117.9290, 1.0210, -0.8147
Hunter-Lab	42.5380, -2.2463, 1.4052

Details

The XYZ color **17.2047, 18.0948, 20.3552** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5535, 18.4709, 19.4700**, and the grayscale version is **17.1953, 18.0907, 19.7008**.

A 20% lighter version of the original color is **38.1833, 40.1630, 44.7695**, and **5.8141, 6.1134, 7.0045** is the 20% darker color. If you saturate the color by 10%, you get **14.7930, 15.5134, 19.9843**, and if you desaturate by 10%, it is **19.9039, 20.9438, 20.7631**.

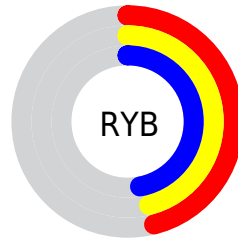
Distribution



Red (46%)

Green (46%)

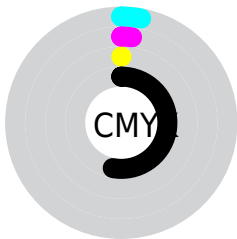
Blue (47%)



Red (46%)

Yellow (46%)

Blue (47%)

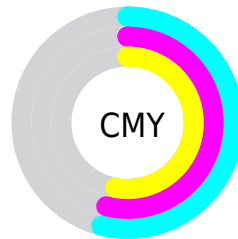


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (53%)



Cyan (54%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2047, 18.0948, 20.3552 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 17.2047, 18.0948, 20.3552 by changing the saturation by 10% instead.

■ 17.2047, 18.0948,
20.3552

■ 17.2047, 18.0948,
20.3552

229.4826,
241.4048, 266.4991

■ 10.4768, 11.0181,
12.4669

■ 38.2182, 40.1988,
44.8787

■ 5.7809, 6.0790,
6.9361

■ 53.2345, 55.9949,
62.3509

■ 2.7517, 2.8932,
3.3443

■ 71.7442, 75.4661,
83.8548

■ 1.0238, 1.0762,
1.2730

94.1128, 98.9970,
109.8090

■ 0.0000, 0.0000,
0.0395

120.7055,
126.9720, 140.6320

■ 0.0000, 0.0000,
0.0000

151.8879,

159.7753, 176.7423

188.0251,
197.7915, 218.5585

■ 17.2047, 18.0948,
20.3552

■ 17.2047, 18.0948,
20.3552

■ 14.7930, 15.5134,
19.9843

■ 19.9039, 20.9438,
20.7631

■ 12.6576, 13.1895,
19.6483

■ 22.8984, 24.0658,
21.2079

■ 10.7885, 11.1153,
19.3465

■ 26.1974, 27.4688,
21.6909

■ 9.1749, 9.2820,
19.0777

■ 29.8096, 31.1597,
22.2129

■ 7.8048, 7.6804,
18.8407

■ 33.7430, 35.1455,
22.7749

■ 6.6655, 6.3002,
18.6344

■ 38.0055, 39.4325,
23.3777

■ 5.7430, 5.1306,
18.4572

■ 42.6047, 44.0271,
24.0222

■ 5.0215, 4.1596,
18.3078

■ 47.5477, 48.9354,
24.7091

■ 4.4826, 3.3736,
18.1845

■ 52.8418, 54.1633,
25.4391

Harmonies

Analogous

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



17.0913, 18.0948, 20.2758



17.2047, 18.0948, 20.3552



17.3169, 18.0948, 20.2579

Triad

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



17.2047, 18.0948, 20.3552



17.3915, 18.0948, 19.3659



17.0009, 18.0948, 19.3960

Complementary

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



17.2047, 18.0948, 20.3552



17.5535, 18.4709, 19.4700

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.



17.0807, 18.0948, 19.1566



17.2047, 18.0948, 20.3552



17.3062, 18.0948, 19.1394

Square

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



17.2047, 18.0948, 20.3552



17.4251, 18.0948, 19.6846



17.1924, 18.0948, 19.0632



16.9740, 18.0948, 19.7197

Rectangle

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



17.2047, 18.0948, 20.3552



17.3759, 18.0948, 20.1067



17.1924, 18.0948, 19.0632



17.0224, 18.0948, 19.3031

Sweetspot

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



17.2052, 18.0956, 20.3556



30.9287, 32.5358, 35.9030



17.3797, 18.5459, 20.1010



7.3380, 7.7194, 8.5099



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.



17.2052, 18.0956, 20.3556



30.0037, 31.5534, 35.7621



17.1485, 17.8921, 20.3193



4.2301, 4.4481, 5.0788



4.5168, 3.1160, 19.7487



20.8363, 13.4451, 93.9668

Inverse Universe

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



17.3774, 18.0240, 19.7035



30.3750, 31.4003, 34.3558



17.6111, 18.6786, 19.5070



4.2923, 4.4227, 4.8430



8.8632, 4.5214, 2.5706



41.9203, 21.4245, 10.3764

Previews

White Background



This preview shows how the XYZ color 17.2047, 18.0948, 20.3552 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 17.2047, 18.0948, 20.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

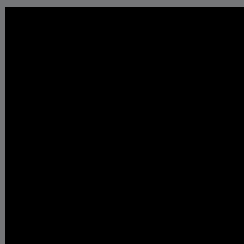
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

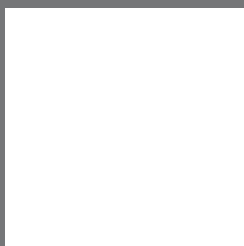
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2047, 18.0948, 20.3552

Background



This preview shows how black text looks on a background with the XYZ color 17.2047, 18.0948, 20.3552.



This preview shows how white text looks on a background with the XYZ color 17.2047, 18.0948,

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

17.2047, 18.0948, 20.3552

Protanopia

17.3592, 18.0006, 20.3288

Deuteranopia

18.3706, 18.0043, 20.5961



Tritanopia

17.5984, 18.0805, 22.3010

Trichromacy

**Original Color**

17.2047, 18.0948, 20.3552

Protanomaly

17.2227, 17.9302, 20.3224

Deuteranomaly

17.8941, 17.9270, 20.6063

Tritanomaly

17.4706, 18.0294, 21.6280

Monochromacy

**Original Color**

17.2047, 18.0948, 20.3552

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2794, 18.1403, 20.0435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2047, 18.0948, 20.3552 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(117, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 120)  
}
```

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(117, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.2047, 18.0948, 20.3552 is called "border". The border property can be set on classes, ids or directly on the HTML element.

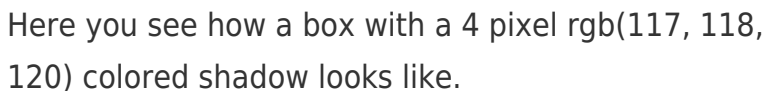
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 118, 120) }
```


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

```
.border{ border-color:rgb(117, 118, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 118, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 118, 120); box-shadow:4px 4px 4px 4px rgb(117, 118, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2047, 18.0948, 20.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 120) }
```

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

```
.background{ background-color: rgb(117,  
118, 120) }
```

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