

Converting Colors

XYZ(17.3416, 18.1472, 19.8975)

Have a look what the booklet for
XYZ(17.3416, 18.1472, 19.8975)
contains.

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Color

**XYZ(17.4160, 18.2107,
20.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	777677
RGB	119, 118, 119
RGB Percent	47%, 46%, 47%
CMY	0.5333, 0.5372, 0.5333
CMYK	0.00, 0.01, 0.00, 0.53
HSL	300°, 0%, 46%
HSV	300°, 1%, 47%
XYZ	17.4160, 18.2107, 20.0499
YIQ	118.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

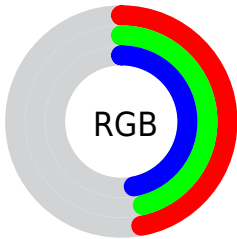
Format	Color
R_{YB}	119, 118, 119
Decimal	7829111
CIE _{Lab}	49.75, 0.58, -0.42
CIE _{LCh}	50, 0.720, 324.249
Yxy	18.2107, 0.3128, 0.3271
Android (android.graphics.Color)	4286019191 (0xFF777677)
YUV	118.4130, 0.2894, 0.5148
Hunter-Lab	42.6740, -1.8305, 2.0151

Details

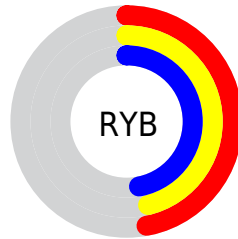
The XYZ color **17.4160, 18.2107, 20.0499** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3388, 18.3538, 19.7693**, and the grayscale version is **17.3490, 18.2524, 19.8769**.

A 20% lighter version of the original color is **38.5200, 40.3477, 44.2857**, and **5.9260, 6.1748, 6.8408** is the 20% darker color. If you saturate the color by 10%, you get **16.1022, 15.5831, 19.6112**, and if you desaturate by 10%, it is **18.9077, 21.1935, 20.5483**.

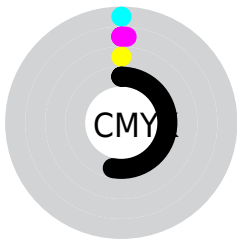
Distribution



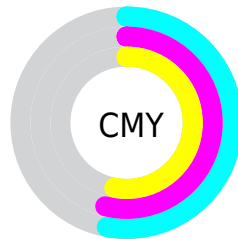
- Red (47%)
- Green (46%)
- Blue (47%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4160, 18.2107, 20.0499 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 17.4160, 18.2107, 20.0499 by changing the saturation by 10% instead.

■ 17.4160, 18.2107,
20.0499

■ 17.4160, 18.2107,
20.0499

230.6682,
242.0560, 264.7983

■ 10.6287, 11.1014,
12.2469

■ 38.5776, 40.3960,
44.3609

■ 5.8832, 6.1351,
6.7875

■ 53.6826, 56.2408,
61.7060

■ 2.8142, 2.9274,
3.2531

■ 72.2908, 75.7662,
83.0688

■ 1.0563, 1.0939,
1.2253

94.7676, 99.3566,
108.8679

■ 0.0000, 0.0000,
0.0000

121.4784,
127.3964, 139.5219

152.7885,

160.2699, 175.4493

189.0633,
198.3617, 217.0685

■ 17.4160, 18.2107,
20.0499

■ 17.4160, 18.2107,
20.0499

■ 16.1022, 15.5831,
19.6112

■ 18.9077, 21.1935,
20.5483

■ 14.9581, 13.2953,
19.2289

■ 20.5819, 24.5416,
21.1073

■ 13.9773, 11.3340,
18.9011

■ 22.4450, 28.2675,
21.7293

■ 13.1524, 9.6845,
18.6252

■ 24.5027, 32.3827,
22.4161

■ 12.4753, 8.3306,
18.3985

■ 26.7605, 36.8979,
23.1697

■ 11.9373, 7.2549,
18.2182

■ 29.2234, 41.8235,
23.9916

■ 11.5287, 6.4380,
18.0811

■ 31.8966, 47.1695,
24.8836

■ 11.2387, 5.8583,
17.9835

■ 34.7848, 52.9457,
25.8473

■ 11.0546, 5.4904,
17.9212

■ 37.8928, 59.1613,
26.8842

Harmonies

Analogous

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



17.3630, 18.2107, 20.1748



17.4160, 18.2107, 20.0499



17.4403, 18.2107, 19.8662

Triad

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



17.4160, 18.2107, 20.0499



17.3219, 18.2107, 19.4548



17.1887, 18.2107, 19.9839

Complementary

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



17.4160, 18.2107, 20.0499



17.3388, 18.3538, 19.7693

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.



17.1778, 18.2107, 19.7905



17.4160, 18.2107, 20.0499



17.2546, 18.2107, 19.4859

Square

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



17.4160, 18.2107, 20.0499



17.3859, 18.2107, 19.5233



17.2019, 18.2107, 19.6085



17.2318, 18.2107, 20.1365

Rectangle

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



17.4160, 18.2107, 20.0499



17.4369, 18.2107, 19.7355



17.2019, 18.2107, 19.6085



17.1812, 18.2107, 19.9215

Sweetspot

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



17.4165, 18.2115, 20.0503



31.3992, 33.0344, 35.9744



17.2802, 18.1412, 20.0440



7.4413, 7.8288, 8.5256



59.0181, 62.0916, 67.6177

Same Dimension

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



17.4165, 18.2115, 20.0503



31.1407, 32.5176, 35.8881



17.3866, 18.1995, 19.8929



4.0796, 4.2638, 4.6982



11.6185, 5.5811, 18.9968



56.6177, 27.1972, 92.5710

Inverse Universe

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



17.4165, 18.2115, 20.0503



31.1407, 32.5176, 35.8881



17.3685, 18.3657, 19.9259



4.0796, 4.2638, 4.6982



11.6185, 5.5811, 18.9968



56.6177, 27.1972, 92.5710

Previews

White Background



This preview shows how the XYZ color 17.4160, 18.2107, 20.0499 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 17.4160, 18.2107, 20.0499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

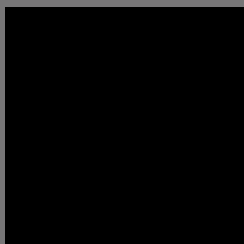
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

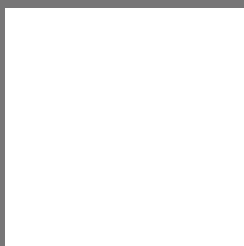
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4160, 18.2107, 20.0499

Background



This preview shows how black text looks on a background with the XYZ color 17.4160, 18.2107, 20.0499.

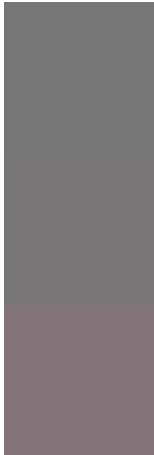


This preview shows how white text looks on a background with the XYZ color 17.4160, 18.2107,

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

17.4160, 18.2107, 20.0499

Protanopia

17.5539, 18.2818, 20.0563

Deuteranopia

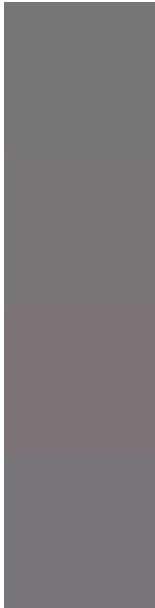
18.5742, 18.2847, 20.3196



Tritanopia

17.8729, 18.2220, 22.3139

Trichromacy



Original Color

17.4160, 18.2107, 20.0499

Protanomaly

17.5539, 18.2818, 20.0563

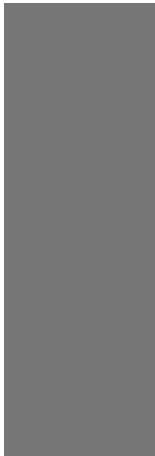
Deuteranomaly

18.0930, 18.2068, 20.3300

Tritanomaly

17.6822, 18.1457, 21.3094

Monochromacy



Original Color

17.4160, 18.2107, 20.0499

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 17.4160, 18.2107, 20.0499 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(119, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 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(119, 118, 119) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 17.4160, 18.2107, 20.0499 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(119, 118, 119) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 17.4160, 18.2107, 20.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(119,  
118, 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](#).

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