

Converting Colors

XYZ(17.9877, 19.2458, 20.1381)

Have a look what the booklet for
XYZ(17.9877, 19.2458, 20.1381)
contains.

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Color

**XYZ(18.0350, 19.2440,
20.2167)**

Conversions

Conversions Part 1

Format	Color
Hex	787A77
RGB	120, 122, 119
RGB Percent	47%, 48%, 47%
CMY	0.5294, 0.5216, 0.5333
CMYK	0.02, 0.00, 0.02, 0.52
HSL	100°, 1%, 47%
HSV	100°, 2%, 48%
XYZ	18.0350, 19.2440, 20.2167
YIQ	121.0600, -0.2290, -1.3570

Conversions

Conversions Part 2

Format	Color
R_{YB}	119, 122, 121
Decimal	7895671
CIE Lab	50.97, -1.35, 1.37
CIE LCh	51, 1.925, 134.637
Yxy	19.2440, 0.3137, 0.3347
Android (android.graphics.Color)	4286085751 (0xFF787A77)
YUV	121.0600, -1.0156, -0.9296
Hunter-Lab	43.8680, -3.3841, 3.3836

Details

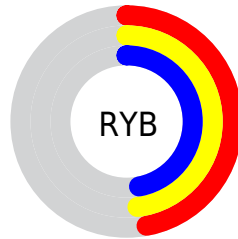
The XYZ color **18.0350, 19.2440, 20.2167** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9956, 18.6643, 21.0674**, and the grayscale version is **18.1970, 19.1447, 20.8485**.

A 20% lighter version of the original color is **39.5000, 41.9830, 44.5497**, and **6.1924, 6.5977, 6.9084** is the 20% darker color. If you saturate the color by 10%, you get **16.2680, 18.4129, 16.5516**, and if you desaturate by 10%, it is **19.9932, 20.1638, 24.3826**.

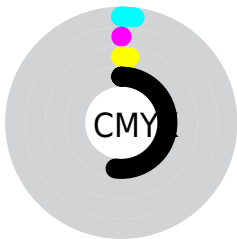
Distribution



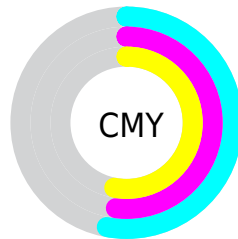
- Red (47%)
- Green (48%)
- Blue (47%)



- Red (47%)
- Yellow (48%)
- Blue (47%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (52%)



- Cyan (53%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0350, 19.2440, 20.2167 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 18.0350, 19.2440, 20.2167 by changing the saturation by 10% instead.

■ 18.0350, 19.2440,
20.2167

■ 18.0350, 19.2440,
20.2167

234.1100,
247.7925, 265.7288

■ 11.0750, 11.8467,
12.3670

■ 39.6266, 42.1460,
44.6439

■ 6.1849, 6.6394,
6.8686

■ 54.9888, 58.4195,
62.0586

■ 2.9996, 3.2376,
3.3029

■ 73.8825, 78.4205,
83.4986

■ 1.1535, 1.2570,
1.2513

96.6730, 102.5335,
109.3826

■ 0.0692, 0.1075,
0.0214

123.7256,
131.1428, 140.1291

■ 0.0000, 0.0000,
0.0000

155.4058,

164.6328, 176.1566

192.0788,
203.3879, 217.8836

■ 18.0350, 19.2440,
20.2167

■ 18.0350, 19.2440,
20.2167

■ 16.2680, 18.4129,
16.5516

■ 19.9932, 20.1638,
24.3826

■ 14.6845, 17.6654,
13.3673

■ 22.1465, 21.1725,
29.0658

■ 13.2788, 16.9996,
10.6441

■ 24.5008, 22.2732,
34.2838

■ 12.0444, 16.4125,
8.3606

■ 27.0615, 23.4682,
40.0527

■ 10.9742, 15.9010,
6.4937

■ 29.8335, 24.7598,
46.3880

■ 10.0605, 15.4617,
5.0182

■ 32.8215, 26.1502,
53.3046

■ 9.2952, 15.0910,
3.9062

■ 36.0304, 27.6415,
60.8168

■ 8.6691, 14.7848,
3.1259

■ 39.4645, 29.2357,
68.9385

■ 8.1717, 14.5387,
2.6397

■ 43.1283, 30.9347,
77.6829

Harmonies

Analogous

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



18.1986, 19.2440, 19.9560



18.0350, 19.2440, 20.2167



17.9403, 19.2440, 20.6771

Triad

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



18.0350, 19.2440, 20.2167



18.1941, 19.2440, 21.9801



18.6471, 19.2440, 20.6898

Complementary

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



18.0350, 19.2440, 20.2167



17.9956, 18.6643, 21.0674

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.



18.6459, 19.2440, 21.2323



18.0350, 19.2440, 20.2167



18.3834, 19.2440, 21.9836

Square

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



18.0350, 19.2440, 20.2167



18.0318, 19.2440, 21.6983



18.5491, 19.2440, 21.7079



18.5524, 19.2440, 20.2259

Rectangle

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



18.0350, 19.2440, 20.2167



17.9286, 19.2440, 21.0383



18.5491, 19.2440, 21.7079



18.6579, 19.2440, 20.8689

Sweetspot

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



18.0355, 19.2448, 20.2171



32.2022, 34.0784, 36.5640



18.1939, 19.1450, 20.1895



7.3690, 7.7948, 8.3728



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.



18.0355, 19.2448, 20.2171



31.5286, 33.7619, 35.1468



17.9277, 19.1858, 20.3694



4.2999, 4.6193, 4.7690



8.2663, 15.1386, 2.4864



38.6142, 71.7918, 11.8220

Inverse Universe

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



17.9956, 18.6643, 21.0674



31.4412, 32.4915, 37.0073



18.1055, 18.7245, 20.9111



4.2858, 4.4143, 5.0693



7.2958, 3.3339, 19.6443



33.8718, 15.4235, 93.6616

Previews

White Background



This preview shows how the XYZ color 18.0350, 19.2440, 20.2167 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.0350, 19.2440, 20.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

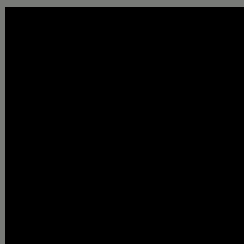
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

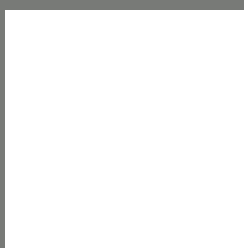
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0350, 19.2440, 20.2167

Background



This preview shows how black text looks on a background with the XYZ color 18.0350, 19.2440, 20.2167.



This preview shows how white text looks on a background with the XYZ color 18.0350, 19.2440,

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

18.0350, 19.2440, 20.2167

Protanopia

18.4196, 19.2678, 19.8878

Deuteranopia

19.4243, 19.0652, 20.4255



Tritanopia

18.7718, 19.1822, 23.8323

Trichromacy

**Original Color**

18.0350, 19.2440, 20.2167

Protanomaly

18.2758, 19.1937, 19.8811

Deuteranomaly

18.8891, 19.1389, 20.4679

Tritanomaly

18.4884, 19.2461, 22.4791

Monochromacy

**Original Color**

18.0350, 19.2440, 20.2167

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1127, 19.0958, 20.5005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0350, 19.2440, 20.2167 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(120, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 122, 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(120, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 122, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.0350, 19.2440, 20.2167 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(120, 122, 119) }
```


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

```
.border{ border-color:rgb(120, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 122,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0350, 19.2440, 20.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 122, 119) }
```

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

```
.background{ background-color: rgb(120,  
122, 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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