

Converting Colors

XYZ(17.7718, 18.9202, 19.6727)

Have a look what the booklet for
XYZ(17.7718, 18.9202, 19.6727)
contains.

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Color

**XYZ(17.7940, 18.9522,
19.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	787975
RGB	120, 121, 117
RGB Percent	47%, 47%, 46%
CMY	0.5294, 0.5255, 0.5412
CMYK	0.01, 0.00, 0.03, 0.53
HSL	75°, 2%, 47%
HSV	75°, 3%, 47%
XYZ	17.7940, 18.9522, 19.5499
YIQ	120.2450, 0.6880, -1.4560

Conversions

Conversions Part 2

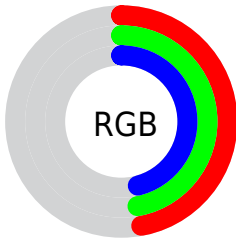
Format	Color
R_{YB}	117, 121, 118
Decimal	7895413
CIE Lab	50.63, -1.17, 2.05
CIE LCh	51, 2.362, 119.726
Yxy	18.9522, 0.3161, 0.3367
Android (android.graphics.Color)	4286085493 (0xFF787975)
YUV	120.2450, -1.5998, -0.2149
Hunter-Lab	43.5341, -3.2252, 3.8485

Details

The XYZ color **17.7940, 18.9522, 19.5499** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2844, 17.9551, 20.6449**, and the grayscale version is **17.9363, 18.8704, 20.5498**.

A 20% lighter version of the original color is **39.1183, 41.5224, 43.4890**, and **6.1292, 6.5725, 6.5758** is the 20% darker color. If you saturate the color by 10%, you get **16.7146, 18.4732, 16.0226**, and if you desaturate by 10%, it is **18.9798, 19.4765, 23.5631**.

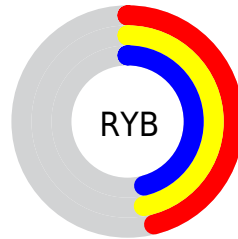
Distribution



Red (47%)

Green (47%)

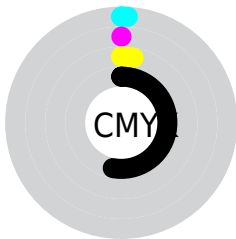
Blue (46%)



Red (46%)

Yellow (47%)

Blue (46%)



Cyan (1%)

Magenta (0%)

Yellow (3%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7940, 18.9522, 19.5499 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 17.7940, 18.9522, 19.5499 by changing the saturation by 10% instead.

■ 17.7940, 18.9522,
19.5499

■ 17.7940, 18.9522,
19.5499

232.7755,
246.1848, 261.9911

■ 10.9010, 11.6357,
11.8875

■ 39.2188, 41.6533,
43.5103

■ 6.0671, 6.4962,
6.5455

■ 54.4814, 57.8068,
60.6453

■ 2.9270, 3.1491,
3.1054

■ 73.2644, 77.6747,
81.7749

■ 1.1153, 1.2100,
1.1487

95.9334, 101.6414,
107.3177

■ 0.0378, 0.0699,
0.0000

122.8536,
130.0914, 137.6921

■ 0.0000, 0.0000,
0.0000

154.3905,

163.4090, 173.3168

190.9093,
201.9787, 214.6103

■ 17.7940, 18.9522,
19.5499

■ 17.7940, 18.9522,
19.5499

■ 16.7146, 18.4732,
16.0226

■ 18.9798, 19.4765,
23.5631

■ 15.7363, 18.0356,
12.9614

■ 20.2738, 20.0449,
28.0785

■ 14.8558, 17.6387,
10.3473

■ 21.6798, 20.6598,
33.1129

■ 14.0691, 17.2807,
8.1593

■ 23.2010, 21.3223,
38.6823

■ 13.3717, 16.9600,
6.3746

■ 24.8402, 22.0336,
44.8017

■ 12.7587, 16.6745,
4.9684

■ 26.6005, 22.7949,
51.4857

■ 12.2248, 16.4221,
3.9133

■ 28.4844, 23.6073,
58.7484

■ 11.7640, 16.2003,
3.1781

■ 30.4949, 24.4720,
66.6031

■ 11.3685, 16.0061,
2.7228

■ 32.6343, 25.3899,
75.0630

Harmonies

Analogous

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



18.0156, 18.9522, 19.3888



17.7940, 18.9522, 19.5499



17.6324, 18.9522, 20.0006

Triad

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



17.7940, 18.9522, 19.5499



17.7903, 18.9522, 21.7547



18.4616, 18.9522, 20.6418

Complementary

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



17.7940, 18.9522, 19.5499



17.2844, 17.9551, 20.6449

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.



18.4001, 18.9522, 21.2841



17.7940, 18.9522, 19.5499



18.0114, 18.9522, 21.9350

Square

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



17.7940, 18.9522, 19.5499



17.6303, 18.9522, 21.2734



18.2348, 18.9522, 21.7610



18.4023, 18.9522, 20.0109

Rectangle

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



17.7940, 18.9522, 19.5499



17.5797, 18.9522, 20.4095



18.2348, 18.9522, 21.7610



18.4544, 18.9522, 20.8636

Sweetspot

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



17.7945, 18.9530, 19.5503



32.3311, 34.1449, 36.5700



17.5751, 18.3068, 19.4371



7.3962, 7.8089, 8.3740



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.



17.7945, 18.9530, 19.5503



31.7035, 33.8670, 34.4757



17.5201, 18.8115, 19.5375



4.3365, 4.6400, 4.6887



11.9081, 17.0161, 2.6568



55.9931, 80.7510, 12.6353

Inverse Universe

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



17.2844, 17.9551, 20.6449



30.5770, 31.6633, 36.8929



17.5589, 18.0966, 20.6577



4.1659, 4.3063, 5.0548



4.2725, 1.7753, 19.5028



19.7066, 8.1211, 92.9987

Previews

White Background



This preview shows how the XYZ color 17.7940, 18.9522, 19.5499 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 17.7940, 18.9522, 19.5499 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

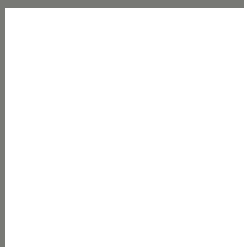
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7940, 18.9522, 19.5499

Background



This preview shows how black text looks on a background with the XYZ color 17.7940, 18.9522, 19.5499.



This preview shows how white text looks on a background with the XYZ color 17.7940, 18.9522,

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

17.7940, 18.9522, 19.5499

Protanopia

18.1810, 18.9790, 19.2281

Deuteranopia

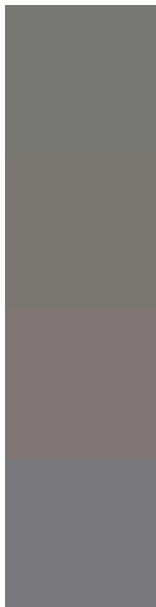
19.3042, 19.0171, 19.7928



Tritanopia

18.5853, 18.9162, 23.4405

Trichromacy



Original Color

17.7940, 18.9522, 19.5499

Protanomaly

18.0372, 18.9048, 19.2213

Deuteranomaly

18.6505, 18.8541, 19.7957

Tritanomaly

18.3033, 18.9786, 22.1006

Monochromacy



Original Color

17.7940, 18.9522, 19.5499

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7920, 18.7579, 20.1357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7940, 18.9522, 19.5499 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, 121, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 117)  
}
```

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, 121, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.7940, 18.9522, 19.5499 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, 121, 117) }
```


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

```
.border{ border-color:rgb(120, 121, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 121, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 121, 117); box-shadow:4px 4px 4px 4px rgb(120, 121, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7940, 18.9522, 19.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 117) }
```

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

```
.background{ background-color: rgb(120,  
121, 117) }
```

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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