

Converting Colors

XYZ(19.5226, 19.7096, 17.5272)

Have a look what the booklet for
XYZ(19.5226, 19.7096, 17.5272)
contains.

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Color

**XYZ(19.5226, 19.7096,
17.5272)**

Conversions

Conversions Part 1

Format	Color
Hex	87786E
RGB	135, 120, 110
RGB Percent	53%, 47%, 43%
CMY	0.4706, 0.5294, 0.5686
CMYK	0.00, 0.11, 0.19, 0.47
HSL	24°, 10%, 48%
HSV	24°, 19%, 53%
XYZ	19.5226, 19.7096, 17.5272
YIQ	123.3450, 12.1500, 0.0700

Conversions

Conversions Part 2

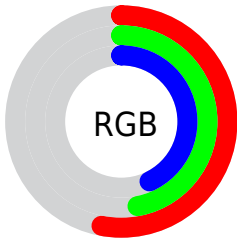
Format	Color
R_{YB}	135, 127, 110
Decimal	8878190
CIE Lab	51.51, 4.03, 7.60
CIE LCh	52, 8.599, 62.050
Yxy	19.7096, 0.3440, 0.3472
Android (android.graphics.Color)	4287068270 (0xFF87786E)
YUV	123.3450, -6.5791, 10.2214
Hunter-Lab	44.3955, 0.8020, 7.6693

Details

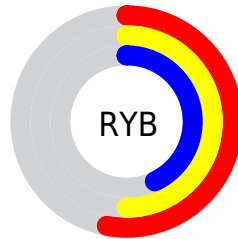
The XYZ color **19.5226, 19.7096, 17.5272** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.1371, 19.7310, 25.7744**, and the grayscale version is **18.9594, 19.9467, 21.7220**.

A 20% lighter version of the original color is **42.0131, 42.8050, 40.2303**, and **6.9332, 6.9138, 5.5265** is the 20% darker color. If you saturate the color by 10%, you get **17.9099, 17.5720, 13.6354**, and if you desaturate by 10%, it is **21.3308, 22.0585, 22.0372**.

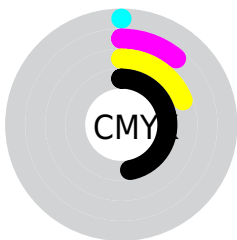
Distribution



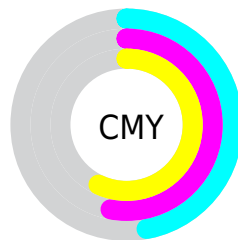
- Red (53%)
- Green (47%)
- Blue (43%)



- Red (53%)
- Yellow (50%)
- Blue (43%)



- Cyan (0%)
- Magenta (11%)
- Yellow (19%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5226, 19.7096, 17.5272 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 19.5226, 19.7096, 17.5272 by changing the saturation by 10% instead.

■ 19.5226, 19.7096,
17.5272

■ 19.5226, 19.7096,
17.5272

242.2019,
250.3386, 250.3384

■ 12.1547, 12.1841,
10.4452

■ 42.1254, 42.9298,
40.0330

■ 6.9221, 6.8692,
5.5857

■ 58.0911, 59.3933,
56.2939

■ 3.4593, 3.3804,
2.5301

■ 77.6534, 79.6049,
76.4514

■ 1.4011, 1.3334,
0.8561

■ 101.1777,
103.9490, 100.9242

■ 0.2570, 0.1669,
0.0000

129.0293,
132.8101, 130.1307

■ 0.0000, 0.0000,
0.0000

161.5737,

166.5724, 164.4896

199.1761,
205.6205, 204.4193

■ 19.5226, 19.7096,
17.5272

■ 19.5226, 19.7096,
17.5272

■ 17.9099, 17.5720,
13.6354

■ 21.3308, 22.0585,
22.0372

■ 16.4839, 15.6371,
10.3332

■ 23.3396, 24.6220,
27.1896

■ 15.2378, 13.8993,
7.5918

■ 25.5558, 27.4064,
33.0091

■ 14.1633, 12.3519,
5.3791

■ 27.9856, 30.4171,
39.5185

■ 13.2516, 10.9876,
3.6601

■ 30.6346, 33.6593,
46.7396

■ 12.4930, 9.7987,
2.3953

■ 33.5085, 37.1380,
54.6931

■ 11.8765, 8.7767,
1.5390

■ 36.6127, 40.8580,
63.3991

■ 11.3791, 7.9081,
0.9841

■ 39.9523, 44.8239,
72.8767

■ 11.3116, 7.7906,
0.9076

■ 43.5323, 49.0404,
83.1444

Harmonies

Analogous

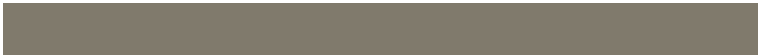
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.1765, 19.7096, 19.0341



19.5226, 19.7096, 17.5272



18.6740, 19.7096, 17.0495

Triad

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



19.5226, 19.7096, 17.5272



17.1222, 19.7096, 21.6310



19.6286, 19.7096, 25.7494

Complementary

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



19.5226, 19.7096, 17.5272



18.1371, 19.7310, 25.7744

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.



18.7929, 19.7096, 26.5731



19.5226, 19.7096, 17.5272



17.3607, 19.7096, 24.0846

Square

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



19.5226, 19.7096, 17.5272



17.3043, 19.7096, 19.3075



17.9657, 19.7096, 25.9420



20.2390, 19.7096, 23.7677

Rectangle

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



19.5226, 19.7096, 17.5272



18.1168, 19.7096, 17.3470



17.9657, 19.7096, 25.9420



19.3638, 19.7096, 26.1775

Sweetspot

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



19.5231, 19.7105, 17.5276



39.0236, 40.5613, 41.5575



19.2695, 17.7837, 21.8192



8.9935, 9.3372, 9.5124



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.5231, 19.7105, 17.5276



33.7727, 33.7311, 28.4884



21.1256, 22.9153, 18.0618



4.8142, 4.9719, 4.9353



10.4431, 7.2088, 0.8410



0.0430, 0.0386, 0.0052

Inverse Universe

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



18.1371, 19.7310, 25.7744



30.8387, 33.7736, 45.9419



16.6533, 16.7635, 25.2798



4.6494, 4.9744, 5.9159



6.7582, 7.0641, 22.1440



0.0306, 0.0388, 0.0791

Previews

White Background



This preview shows how the XYZ color 19.5226, 19.7096, 17.5272 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 19.5226, 19.7096, 17.5272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

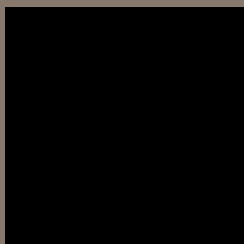
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

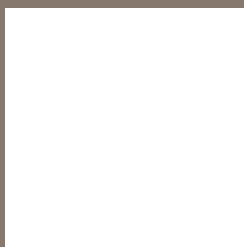
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5226, 19.7096, 17.5272

Background



This preview shows how black text looks on a background with the XYZ color 19.5226, 19.7096, 17.5272.



This preview shows how white text looks on a background with the XYZ color 19.5226, 19.7096,

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

19.5226, 19.7096, 17.5272

Protanopia

18.7309, 19.6560, 17.8457

Deuteranopia

19.9404, 19.5716, 17.4786



Tritanopia

20.6257, 19.8075, 22.8148

Trichromacy



Original Color

19.5226, 19.7096, 17.5272

Protanomaly

19.0667, 19.6477, 17.8264

Deuteranomaly

19.8925, 19.7227, 17.5103

Tritanomaly

20.2014, 19.8084, 20.8478

Monochromacy



Original Color

19.5226, 19.7096, 17.5272

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9819, 19.7391, 19.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5226, 19.7096, 17.5272 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(135, 120, 110)` looks like.

```
.text, #text, p{  
    color:rgb(135, 120, 110)  
}
```

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(135, 120, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 120, 110) }
```

Border

The CSS property to change the border of an element to XYZ 19.5226, 19.7096, 17.5272 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(135, 120, 110) }
```


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

```
.border{ border-color:rgb(135, 120, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 120, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 120, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 120, 110);  
box-shadow:4px 4px 4px 4px rgb(135, 120,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5226, 19.7096, 17.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 120, 110) }
```

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

```
.background{ background-color: rgb(135,  
120, 110) }
```

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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