

Converting Colors

XYZ(19.7094, 20.0832, 17.5897)

Have a look what the booklet for
XYZ(19.7094, 20.0832, 17.5897)
contains.

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Color

**XYZ(19.7657, 20.1958,
17.6083)**

Conversions

Conversions Part 1

Format	Color
Hex	877A6E
RGB	135, 122, 110
RGB Percent	53%, 48%, 43%
CMY	0.4706, 0.5216, 0.5686
CMYK	0.00, 0.10, 0.19, 0.47
HSL	29°, 10%, 48%
HSV	29°, 19%, 53%
XYZ	19.7657, 20.1958, 17.6083
YIQ	124.5190, 11.6000, -0.9760

Conversions

Conversions Part 2

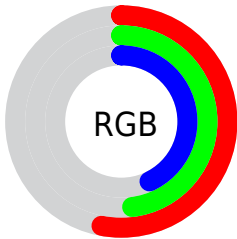
Format	Color
R_{YB}	135, 133, 110
Decimal	8878702
CIE Lab	52.06, 2.88, 8.38
CIE LCh	52, 8.857, 71.050
Yxy	20.1958, 0.3433, 0.3508
Android (android.graphics.Color)	4287068782 (0xFF877A6E)
YUV	124.5190, -7.1579, 9.1918
Hunter-Lab	44.9397, -0.1355, 8.2268

Details

The XYZ color **19.7657, 20.1958, 17.6083** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8864, 19.2297, 25.6908**, and the grayscale version is **19.3525, 20.3603, 22.1724**.

A 20% lighter version of the original color is **42.3967, 43.5721, 40.3581**, and **6.9984, 7.0442, 5.5482** is the 20% darker color. If you saturate the color by 10%, you get **18.2552, 18.2628, 13.7506**, and if you desaturate by 10%, it is **21.4515, 22.2999, 22.0775**.

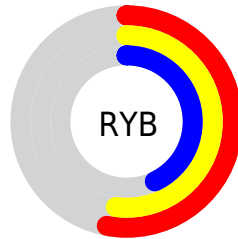
Distribution



Red (53%)

Green (48%)

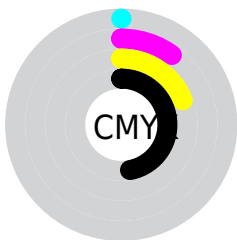
Blue (43%)



Red (53%)

Yellow (52%)

Blue (43%)

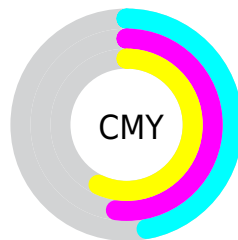


Cyan (0%)

Magenta (10%)

Yellow (19%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7657, 20.1958, 17.6083 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 19.7657, 20.1958, 17.6083 by changing the saturation by 10% instead.

■ 19.7657, 20.1958,
17.6083

■ 19.7657, 20.1958,
17.6083

243.5017,
252.9731, 250.8154

■ 12.3321, 12.5375,
10.5026

■ 42.5310, 43.7452,
40.1736

■ 7.0441, 7.1108,
5.6235

■ 58.5933, 60.4051,
56.4703

■ 3.5363, 3.5315,
2.5525

■ 78.2627, 80.8342,
76.6678

■ 1.4433, 1.4151,
0.8678

■ 101.9044,
105.4170, 101.1846

■ 0.2868, 0.2278,
0.0000

129.8838,
134.5380, 130.4392

■ 0.0000, 0.0000,
0.0000

162.5662,

168.5813, 164.8501

200.3171,
207.9316, 204.8360

■ 19.7657, 20.1958,
17.6083

■ 19.7657, 20.1958,
17.6083

■ 18.2552, 18.2628,
13.7506

■ 21.4515, 22.2999,
22.0775

■ 16.9122, 16.4936,
10.4760

■ 23.3170, 24.5768,
27.1822

■ 15.7302, 14.8842,
7.7560

■ 25.3685, 27.0318,
32.9468

■ 14.7020, 13.4294,
5.5588

■ 27.6114, 29.6687,
39.3939

■ 13.8197, 12.1238,
3.8495

■ 30.0508, 32.4917,
46.5451

■ 13.0743, 10.9613,
2.5891

■ 32.6918, 35.5044,
54.4210

■ 12.4559, 9.9355,
1.7321

■ 35.5391, 38.7107,
63.0413

■ 11.9425, 9.0349,
1.1719

■ 38.5973, 42.1139,
72.4251

■ 11.8715, 8.9104,
1.0942

■ 41.8709, 45.7178,
82.5907

Harmonies

Analogous

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



20.5368, 20.1958, 18.8790



19.7657, 20.1958, 17.6083



18.8642, 20.1958, 17.4556

Triad

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



19.7657, 20.1958, 17.6083



17.5391, 20.1958, 22.9581



20.3602, 20.1958, 25.9629

Complementary

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



19.7657, 20.1958, 17.6083



17.8864, 19.2297, 25.6908

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.



19.5307, 20.1958, 27.2481



19.7657, 20.1958, 17.6083



17.9139, 20.1958, 25.4248

Square

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



19.7657, 20.1958, 17.6083



17.5975, 20.1958, 20.4120



18.6364, 20.1958, 27.0438



20.8874, 20.1958, 23.6469

Rectangle

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



19.7657, 20.1958, 17.6083



18.3126, 20.1958, 17.9936



18.6364, 20.1958, 27.0438



20.1064, 20.1958, 26.5377

Sweetspot

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



19.7662, 20.1967, 17.6087



39.1820, 40.8781, 41.6103



19.1639, 17.7415, 21.2631



9.0332, 9.4167, 9.5256



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.



19.7662, 20.1967, 17.6087



34.2851, 34.7559, 28.6592



21.3545, 23.3731, 18.1381



4.8433, 5.0302, 4.9450



10.9602, 8.2430, 1.0134



0.0452, 0.0430, 0.0059

Inverse Universe

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



17.8864, 19.2297, 25.6908



30.3065, 32.7091, 45.7645



16.4701, 16.3971, 25.2187



4.6198, 4.9153, 5.9060



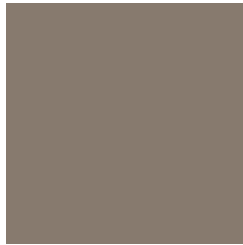
6.0763, 5.7004, 21.9167



0.0284, 0.0344, 0.0784

Previews

White Background



This preview shows how the XYZ color 19.7657, 20.1958, 17.6083 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 19.7657, 20.1958, 17.6083 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 19.7657, 20.1958, 17.6083

Background



This preview shows how black text looks on a background with the XYZ color 19.7657, 20.1958, 17.6083.



This preview shows how white text looks on a background with the XYZ color 19.7657, 20.1958,

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

19.7657, 20.1958, 17.6083

Protanopia

19.2828, 20.3088, 17.9426

Deuteranopia

20.5154, 20.2215, 17.5737



Tritanopia

20.8758, 20.0970, 23.5477

Trichromacy



Original Color

19.7657, 20.1958, 17.6083

Protanomaly

19.4679, 20.2191, 17.9155

Deuteranomaly

20.2993, 20.2895, 17.5982

Tritanomaly

20.3827, 20.0723, 21.2124

Monochromacy



Original Color

19.7657, 20.1958, 17.6083

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6511, 20.4385, 20.6786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7657, 20.1958, 17.6083 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, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(135, 122, 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, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 122, 110) }
```

Border

The CSS property to change the border of an element to XYZ 19.7657, 20.1958, 17.6083 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, 122, 110) }
```


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

```
.border{ border-color:rgb(135, 122, 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, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(135, 122,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7657, 20.1958, 17.6083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 122, 110) }
```

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

```
.background{ background-color: rgb(135,  
122, 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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