

Converting Colors

XYZ(21.2211, 20.6201, 17.6386)

Have a look what the booklet for
XYZ(21.2211, 20.6201, 17.6386)
contains.

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Color

**XYZ(21.2080, 20.5785,
17.6061)**

Conversions

Conversions Part 1

Format	Color
Hex	91786E
RGB	145, 120, 110
RGB Percent	57%, 47%, 43%
CMY	0.4314, 0.5294, 0.5686
CMYK	0.00, 0.17, 0.24, 0.43
HSL	17°, 14%, 50%
HSV	17°, 24%, 57%
XYZ	21.2080, 20.5785, 17.6061
YIQ	126.3350, 18.1100, 2.1900

Conversions

Conversions Part 2

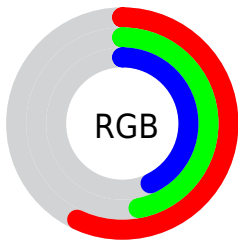
Format	Color
R_{YB}	145, 124, 110
Decimal	9533550
CIE Lab	52.49, 8.07, 9.12
CIE LCh	52, 12.178, 48.484
Yxy	20.5785, 0.3571, 0.3465
Android (android.graphics.Color)	4287723630 (0xFF91786E)
YUV	126.3350, -8.0532, 16.3692
Hunter-Lab	45.3635, 4.0647, 8.7434

Details

The XYZ color **21.2080, 20.5785, 17.6061** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.2050, 22.6866, 30.1022**, and the grayscale version is **19.9680, 21.0079, 22.8776**.

A 20% lighter version of the original color is **44.8273, 44.2558, 40.3620**, and **7.8030, 7.3622, 5.5672** is the 20% darker color. If you saturate the color by 10%, you get **19.3035, 17.9312, 13.3899**, and if you desaturate by 10%, it is **23.3775, 23.5488, 22.5485**.

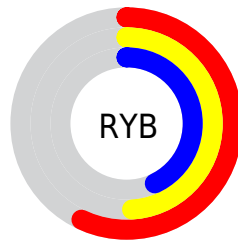
Distribution



Red (57%)

Green (47%)

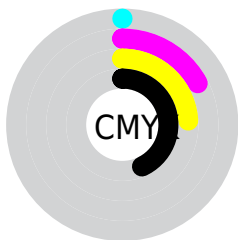
Blue (43%)



Red (57%)

Yellow (49%)

Blue (43%)

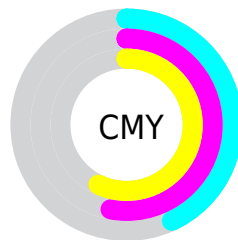


Cyan (0%)

Magenta (17%)

Yellow (24%)

Black (43%)



Cyan (43%)

Magenta (53%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2080, 20.5785, 17.6061 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 21.2080, 20.5785, 17.6061 by changing the saturation by 10% instead.

■ 21.2080, 20.5785,
17.6061

■ 21.2080, 20.5785,
17.6061

251.0927,
255.0299, 250.8025

■ 13.3895, 12.8163,
10.5011

■ 44.9221, 44.3850,
40.1698

■ 7.7761, 7.3021,
5.6225

■ 61.5484, 61.1980,
56.4655

■ 4.0026, 3.6518,
2.5519

■ 81.8413, 81.7967,
76.6619

■ 1.7036, 1.4807,
0.8675

■ 106.1662,
106.5656, 101.1775

■ 0.4585, 0.2751,
0.0000

134.8884,
135.8889, 130.4308

■ 0.0000, 0.0000,
0.0000

168.3734,

170.1511, 164.8404

206.9863,
209.7367, 204.8247

■ 21.2080, 20.5785,
17.6061

■ 21.2080, 20.5785,
17.6061

■ 19.3035, 17.9312,
13.3899

■ 23.3775, 23.5488,
22.5485

■ 17.6519, 15.5930,
9.8641

■ 25.8204, 26.8498,
28.2481

■ 16.2424, 13.5532,
6.9920

■ 28.5464, 30.4925,
34.7355

■ 15.0628, 11.7993,
4.7325

■ 31.5647, 34.4863,
42.0392

■ 14.0997, 10.3180,
3.0402

■ 34.8838, 38.8405,
50.1863

■ 13.3382, 9.0945,
1.8631

■ 38.5117, 43.5639,
59.2028

■ 12.7608, 8.1127,
1.1374

■ 42.4564, 48.6651,
69.1135

■ 12.4854, 7.6364,
0.8159

■ 46.7254, 54.1522,
79.9420

■ 51.3261, 60.0334,
91.7113

Harmonies

Analogous

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



21.9460, 20.5785, 20.2796



21.2080, 20.5785, 17.6061



20.0465, 20.5785, 16.2768

Triad

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



21.2080, 20.5785, 17.6061



17.2819, 20.5785, 21.0508



20.3368, 20.5785, 29.6455

Complementary

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



21.2080, 20.5785, 17.6061



20.2050, 22.6866, 30.1022

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.



19.0800, 20.5785, 29.9091



21.2080, 20.5785, 17.6061



17.3521, 20.5785, 24.6771

Square

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



21.2080, 20.5785, 17.6061



17.8021, 20.5785, 18.1183



17.9982, 20.5785, 28.0086



21.4283, 20.5785, 27.3229

Rectangle

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



21.2080, 20.5785, 17.6061



19.2043, 20.5785, 16.2254



17.9982, 20.5785, 28.0086



19.9186, 20.5785, 29.9864

Sweetspot

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



21.2086, 20.5794, 17.6065



44.8716, 46.2420, 47.3713



21.6322, 18.9234, 25.4651



9.9333, 10.2211, 10.4238



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.2086, 20.5794, 17.6065



36.0587, 34.1917, 27.2450



23.4967, 25.1557, 18.3692



5.5266, 5.6596, 5.6905



10.7291, 6.5900, 0.7065



0.1195, 0.0968, 0.0124

Inverse Universe

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



20.2050, 22.6866, 30.1022



33.9357, 38.6377, 53.6428



17.9709, 18.2185, 29.3575



5.4318, 5.8594, 6.8735



8.6146, 10.2151, 24.4948



0.1012, 0.1354, 0.2405

Previews

White Background



This preview shows how the XYZ color 21.2080, 20.5785, 17.6061 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 21.2080, 20.5785, 17.6061 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 21.2080, 20.5785, 17.6061

Background



This preview shows how black text looks on a background with the XYZ color 21.2080, 20.5785, 17.6061.



This preview shows how white text looks on a background with the XYZ color 21.2080, 20.5785,

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

21.2080, 20.5785, 17.6061

Protanopia

19.6743, 20.6848, 18.5784

Deuteranopia

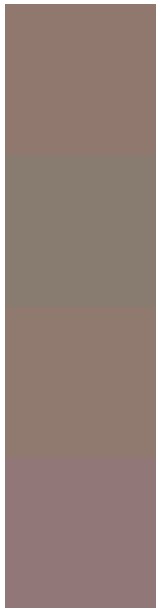
20.9795, 20.6402, 17.6301



Tritanopia

22.3418, 20.6922, 22.8951

Trichromacy



Original Color

21.2080, 20.5785, 17.6061

Protanomaly

20.1609, 20.5700, 18.2370

Deuteranomaly

21.1534, 20.7298, 17.6382

Tritanomaly

21.9021, 20.6851, 20.9274

Monochromacy



Original Color

21.2080, 20.5785, 17.6061

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2707, 20.7579, 20.7076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2080, 20.5785, 17.6061 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(145, 120, 110)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 120, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.2080, 20.5785, 17.6061 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(145, 120, 110) }
```


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

```
.border{ border-color:rgb(145, 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(145, 120, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 110);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2080, 20.5785, 17.6061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 110) }
```

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

```
.background{ background-color: rgb(145,  
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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