

Converting Colors

XYZ(19.0168, 19.8962, 13.6645)

Have a look what the booklet for
XYZ(19.0168, 19.8962, 13.6645)
contains.

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Color

**XYZ(19.0168, 19.8962,
13.6645)**

Conversions

Conversions Part 1

Format	Color
Hex	877A5F
RGB	135, 122, 95
RGB Percent	53%, 48%, 37%
CMY	0.4706, 0.5216, 0.6274
CMYK	0.00, 0.10, 0.30, 0.47
HSL	41°, 17%, 45%
HSV	41°, 30%, 53%
XYZ	19.0168, 19.8962, 13.6645
YIQ	122.8090, 16.4150, -5.6410

Conversions

Conversions Part 2

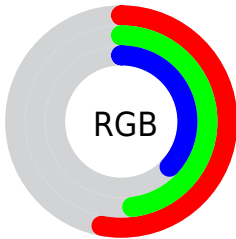
Format	Color
R_YB	114, 135, 95
Decimal	8878687
CIE Lab	51.72, 0.54, 16.63
CIE LCh	52, 16.635, 88.124
Yxy	19.8962, 0.3617, 0.3784
Android (android.graphics.Color)	4287068767 (0xFF877A5F)
YUV	122.8090, -13.7098, 10.6915
Hunter-Lab	44.6052, -1.9580, 13.0605

Details

The XYZ color **19.0168, 19.8962, 13.6645** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.4550, 14.9069, 25.0373**, and the grayscale version is **18.8042, 19.7835, 21.5442**.

A 20% lighter version of the original color is **41.3106, 43.1662, 33.3487**, and **6.7495, 7.0506, 3.9109** is the 20% darker color. If you saturate the color by 10%, you get **17.9292, 18.6194, 10.5324**, and if you desaturate by 10%, it is **20.2361, 21.2660, 17.3658**.

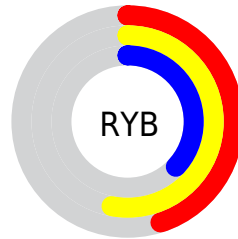
Distribution



Red (53%)

Green (48%)

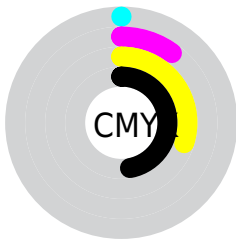
Blue (37%)



Red (45%)

Yellow (53%)

Blue (37%)

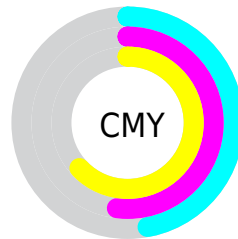


Cyan (0%)

Magenta (10%)

Yellow (30%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0168, 19.8962, 13.6645 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 19.0168, 19.8962, 13.6645 by changing the saturation by 10% instead.

■ 19.0168, 19.8962,
13.6645

■ 19.0168, 19.8962,
13.6645

239.4778,
251.3526, 226.4889

■ 11.7865, 12.3196,
7.7516

■ 41.2791, 43.2431,
33.2011

■ 6.6696, 6.9617,
3.8509

■ 57.0419, 59.7822,
47.6618

■ 3.3008, 3.4382,
1.5439

■ 76.3795, 80.0776,
65.8089

■ 1.3148, 1.3645,
0.2503

■ 99.6573, 104.5136,
88.0609

■ 0.1942, 0.1904,
0.0000

127.2407,
133.4748, 114.8364

■ 0.0000, 0.0000,
0.0000

159.4950,

167.3454, 146.5539

196.7856,
206.5099, 183.6319

■ 19.0168, 19.8962,
13.6645

■ 19.0168, 19.8962,
13.6645

■ 17.9292, 18.6194,
10.5324

■ 20.2361, 21.2660,
17.3658

■ 16.9660, 17.4300,
7.9391

■ 21.5910, 22.7287,
21.6618

■ 16.1214, 16.3260,
5.8536

■ 23.0870, 24.2879,
26.5783

■ 15.3885, 15.3040,
4.2408

■ 24.7291, 25.9457,
32.1389

■ 14.7594, 14.3603,
3.0615

■ 26.5216, 27.7046,
38.3662

■ 14.2251, 13.4909,
2.2697

■ 28.4689, 29.5668,
45.2814

■ 13.7611, 12.6852,
1.7376

■ 30.5753, 31.5343,
52.9051

■ 13.7444, 12.6562,
1.7185

■ 32.8446, 33.6092,
61.2569

■ 35.2807, 35.7934,
70.3555

Harmonies

Analogous

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



20.6700, 19.8962, 14.7136



19.0168, 19.8962, 13.6645



17.4273, 19.8962, 14.4806

Triad

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



19.0168, 19.8962, 13.6645



16.2003, 19.8962, 26.3278



21.7912, 19.8962, 26.9304

Complementary

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



19.0168, 19.8962, 13.6645



14.4550, 14.9069, 25.0373

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.



20.4760, 19.8962, 30.8986



19.0168, 19.8962, 13.6645



17.2543, 19.8962, 30.5161

Square

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



19.0168, 19.8962, 13.6645



15.8600, 19.8962, 21.3618



18.8051, 19.8962, 32.2982



22.3296, 19.8962, 21.9682

Rectangle

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



19.0168, 19.8962, 13.6645



16.6041, 19.8962, 16.0520



18.8051, 19.8962, 32.2982



21.4216, 19.8962, 28.4508

Sweetspot

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



19.0173, 19.8971, 13.6649



38.7744, 40.8184, 39.1454



16.8086, 14.4254, 16.1792



8.9035, 9.3722, 8.8197



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.



19.0173, 19.8971, 13.6649



32.6346, 33.9732, 20.3448



19.6820, 22.7694, 14.1843



4.9156, 5.1747, 4.9691



12.6864, 11.6953, 1.5888



0.0506, 0.0538, 0.0077

Inverse Universe

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



14.4550, 14.9069, 25.0373



23.0048, 23.4444, 44.3611



13.9074, 12.7393, 24.6478



4.5489, 4.7735, 5.8824



4.8697, 3.2873, 21.5145



0.0230, 0.0236, 0.0766

Previews

White Background



This preview shows how the XYZ color 19.0168, 19.8962, 13.6645 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 19.0168, 19.8962, 13.6645 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 19.0168, 19.8962, 13.6645

Background



This preview shows how black text looks on a background with the XYZ color 19.0168, 19.8962, 13.6645.



This preview shows how white text looks on a background with the XYZ color 19.0168, 19.8962,

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

19.0168, 19.8962, 13.6645

Protanopia

18.7100, 19.9160, 13.9244

Deuteranopia

20.2668, 19.8211, 13.8240



Tritanopia

20.9567, 19.9781, 22.8303

Trichromacy



Original Color

19.0168, 19.8962, 13.6645

Protanomaly

18.8671, 19.9970, 13.9317

Deuteranomaly

19.6927, 19.7009, 13.8311

Tritanomaly

20.1726, 19.8347, 18.9849

Monochromacy



Original Color

19.0168, 19.8962, 13.6645

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8160, 19.8702, 18.4664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0168, 19.8962, 13.6645 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(135, 122, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 122, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.0168, 19.8962, 13.6645 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, 95) }
```


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

```
.border{ border-color:rgb(135, 122, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 122, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 122, 95);  
box-shadow:4px 4px 4px 4px rgb(135, 122,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0168, 19.8962, 13.6645 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, 95) }
```

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

```
.background{ background-color: rgb(135,  
122, 95) }
```

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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