

Converting Colors

XYZ(19.8280, 20.9482, 14.7179)

Have a look what the booklet for
XYZ(19.8280, 20.9482, 14.7179)
contains.

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Color

**XYZ(19.8663, 21.0568,
14.8217)**

Conversions

Conversions Part 1

Format	Color
Hex	887E63
RGB	136, 126, 99
RGB Percent	53%, 49%, 39%
CMY	0.4667, 0.5059, 0.6118
CMYK	0.00, 0.07, 0.27, 0.47
HSL	44°, 16%, 46%
HSV	44°, 27%, 53%
XYZ	19.8663, 21.0568, 14.8217
YIQ	125.9120, 14.6270, -6.2770

Conversions

Conversions Part 2

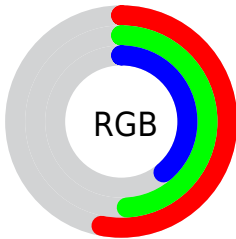
Format	Color
RYB	113, 136, 99
Decimal	8945251
CIELab	53.01, -0.73, 16.10
CIElCh	53, 16.119, 92.606
Yxy	21.0568, 0.3564, 0.3777
Android (android.graphics.Color)	4287135331 (0xFF887E63)
YUV	125.9120, -13.2676, 8.8472
Hunter-Lab	45.8877, -3.0249, 12.9707

Details

The XYZ color **19.8663, 21.0568, 14.8217** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0580, 15.3670, 25.4650**, and the grayscale version is **19.8419, 20.8752, 22.7331**.

A 20% lighter version of the original color is **42.8603, 45.3894, 35.3562**, and **7.1115, 7.5341, 4.3282** is the 20% darker color. If you saturate the color by 10%, you get **18.8090, 19.8966, 11.5272**, and if you desaturate by 10%, it is **21.0514, 22.2973, 18.6996**.

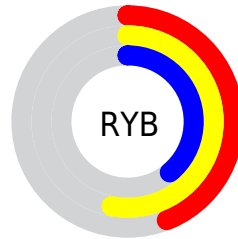
Distribution



Red (53%)

Green (49%)

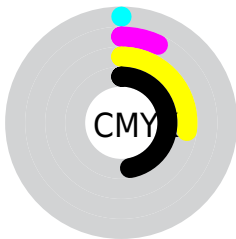
Blue (39%)



Red (44%)

Yellow (53%)

Blue (39%)

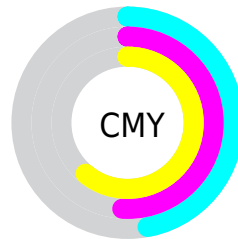


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8663, 21.0568, 14.8217 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 19.8663, 21.0568, 14.8217 by changing the saturation by 10% instead.

■ 19.8663, 21.0568,
14.8217

■ 19.8663, 21.0568,
14.8217

244.0378,
257.5802, 233.8879

■ 12.4056, 13.1655,
8.5491

■ 42.6986, 45.1820,
35.2780

■ 7.0947, 7.5426,
4.3555

■ 58.8008, 62.1848,
50.2987

■ 3.5682, 3.8037,
1.8223

■ 78.5143, 82.9935,
69.0726

■ 1.4609, 1.5644,
0.4426

■ 102.2044,
107.9926, 92.0181

■ 0.2990, 0.3334,
0.0000

130.2365,
137.5664, 119.5539

■ 0.0000, 0.0000,
0.0000

162.9758,

172.0993, 152.0985

200.7878,
211.9758, 190.0703

■ 19.8663, 21.0568,
14.8217

■ 19.8663, 21.0568,
14.8217

■ 18.8090, 19.8966,
11.5272

■ 21.0514, 22.2973,
18.6996

■ 17.8724, 18.8111,
8.7859

■ 22.3681, 23.6176,
23.1865

■ 17.0507, 17.7988,
6.5667

■ 23.8218, 25.0208,
28.3081

■ 16.3372, 16.8564,
4.8351

■ 25.4172, 26.5092,
34.0882

■ 15.7244, 15.9807,
3.5522

■ 27.1588, 28.0849,
40.5493

■ 15.2037, 15.1679,
2.6733

■ 29.0508, 29.7497,
47.7129

■ 14.7585, 14.4112,
2.1129

■ 31.0972, 31.5056,
55.5997

■ 14.6394, 14.2064,
1.9705

■ 33.3019, 33.3543,
64.2292

■ 35.6688, 35.2977,
73.6204

Harmonies

Analogous

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



21.5485, 21.0568, 15.6093



19.8663, 21.0568, 14.8217



18.3113, 21.0568, 15.9394

Triad

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



19.8663, 21.0568, 14.8217



17.3962, 21.0568, 28.3239



23.0438, 21.0568, 27.4874

Complementary

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



19.8663, 21.0568, 14.8217



15.0580, 15.3670, 25.4650

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.



21.8188, 21.0568, 31.7068



19.8663, 21.0568, 14.8217



18.5538, 21.0568, 32.2355

Square

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



19.8663, 21.0568, 14.8217



16.9364, 21.0568, 23.3535



20.1621, 21.0568, 33.5524



23.4432, 21.0568, 22.5062

Rectangle

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



19.8663, 21.0568, 14.8217



17.5386, 21.0568, 17.7212



20.1621, 21.0568, 33.5524



22.7117, 21.0568, 29.0645

Sweetspot

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



19.8668, 21.0578, 14.8221



39.1841, 41.3894, 40.0475



17.4018, 15.2727, 16.6358



8.9990, 9.5105, 9.0139



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.



19.8668, 21.0578, 14.8221



33.7728, 35.7623, 22.2270



19.9560, 23.0971, 15.2111



5.3187, 5.6202, 5.3569



13.8637, 13.4617, 1.8677



0.1042, 0.1137, 0.0165

Inverse Universe

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



15.0580, 15.3670, 25.4650



23.7537, 23.9089, 44.4113



14.9714, 13.8284, 25.1726



4.8775, 5.0979, 6.3328



4.8317, 2.9337, 22.3573



0.0429, 0.0411, 0.1521

Previews

White Background



This preview shows how the XYZ color 19.8663, 21.0568, 14.8217 looks on a white background.

Color Contrast Check

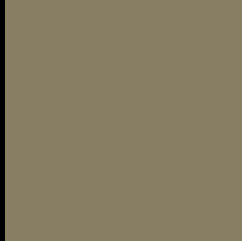
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8663, 21.0568, 14.8217 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 19.8663, 21.0568, 14.8217

Background



This preview shows how black text looks on a background with the XYZ color 19.8663, 21.0568, 14.8217.



This preview shows how white text looks on a background with the XYZ color 19.8663, 21.0568,

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

19.8663, 21.0568, 14.8217

Protanopia

19.7047, 20.9735, 14.8141

Deuteranopia

21.4725, 21.1351, 15.0043



Tritanopia

21.8715, 21.1332, 24.3991

Trichromacy



Original Color

19.8663, 21.0568, 14.8217

Protanomaly

19.7047, 20.9735, 14.8141

Deuteranomaly

20.8848, 21.0153, 15.0122

Tritanomaly

21.0602, 20.9868, 20.3936

Monochromacy



Original Color

19.8663, 21.0568, 14.8217

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8192, 20.9285, 19.5180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8663, 21.0568, 14.8217 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(136, 126, 99)` looks like.

```
.text, #text, p{  
    color:rgb(136, 126, 99)  
}
```

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(136, 126, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 126, 99) }
```

Border

The CSS property to change the border of an element to XYZ 19.8663, 21.0568, 14.8217 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(136, 126, 99) }
```


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

```
.border{ border-color:rgb(136, 126, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 126, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 126, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 126, 99);  
box-shadow:4px 4px 4px 4px rgb(136, 126,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8663, 21.0568, 14.8217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 126, 99) }
```

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

```
.background{ background-color: rgb(136,  
126, 99) }
```

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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