

Converting Colors

XYZ(19.9966, 20.5043, 17.3718)

Have a look what the booklet for
XYZ(19.9966, 20.5043, 17.3718)
contains.

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Color

**XYZ(19.9966, 20.5043,
17.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	887B6D
RGB	136, 123, 109
RGB Percent	53%, 48%, 43%
CMY	0.4667, 0.5176, 0.5725
CMYK	0.00, 0.10, 0.20, 0.47
HSL	31°, 11%, 48%
HSV	31°, 20%, 53%
XYZ	19.9966, 20.5043, 17.3718
YIQ	125.2910, 12.2420, -1.5980

Conversions

Conversions Part 2

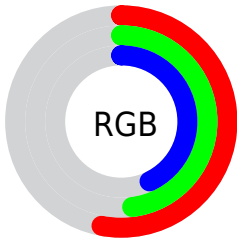
Format	Color
RYB	134, 136, 109
Decimal	8944493
CIELab	52.40, 2.54, 9.46
CIElCh	52, 9.797, 74.978
Yxy	20.5043, 0.3455, 0.3543
Android (android.graphics.Color)	4287134573 (0xFF887B6D)
YUV	125.2910, -8.0315, 9.3918
Hunter-Lab	45.2817, -0.4165, 8.9512

Details

The XYZ color **19.9966, 20.5043, 17.3718** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7100, 18.9473, 26.0164**, and the grayscale version is **19.6149, 20.6364, 22.4730**.

A 20% lighter version of the original color is **42.9103, 44.1452, 39.5170**, and **7.1560, 7.2238, 5.5746** is the 20% darker color. If you saturate the color by 10%, you get **18.5354, 18.6642, 13.5479**, and if you desaturate by 10%, it is **21.6265, 22.5002, 21.8114**.

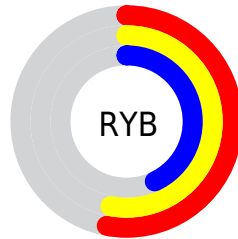
Distribution



Red (53%)

Green (48%)

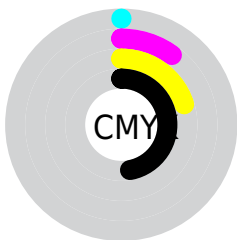
Blue (43%)



Red (53%)

Yellow (53%)

Blue (43%)

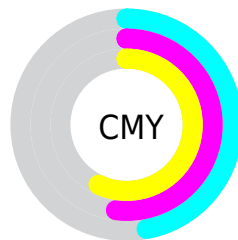


Cyan (0%)

Magenta (10%)

Yellow (20%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9966, 20.5043, 17.3718 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 19.9966, 20.5043, 17.3718 by changing the saturation by 10% instead.

■ 19.9966, 20.5043,
17.3718

■ 19.9966, 20.5043,
17.3718

244.7306,
254.6323, 249.4220

■ 12.5008, 12.7622,
10.3352

■ 42.9155, 44.2611,
39.7633

■ 7.1603, 7.2650,
5.5133

■ 59.0693, 61.0445,
55.9553

■ 3.6098, 3.6284,
2.4875

■ 78.8398, 81.6105,
76.0361

■ 1.4838, 1.4679,
0.8335

■ 102.5924,
106.3434, 100.4243

■ 0.3148, 0.2660,
0.0000

130.6924,
135.6276, 129.5385

■ 0.0000, 0.0000,
0.0000

163.5052,

169.8476, 163.7971

201.3962,
209.3876, 203.6188

■ 19.9966, 20.5043,
17.3718

■ 19.9966, 20.5043,
17.3718

■ 18.5354, 18.6642,
13.5479

■ 21.6265, 22.5002,
21.8114

■ 17.2351, 16.9730,
10.3107

■ 23.4294, 24.6532,
26.8912

■ 16.0894, 15.4271,
7.6308

■ 25.4114, 26.9679,
32.6363

■ 15.0912, 14.0219,
5.4756

■ 27.5778, 29.4481,
39.0696

■ 14.2326, 12.7524,
3.8092

■ 29.9336, 32.0973,
46.2133

■ 13.5048, 11.6131,
2.5912

■ 32.4838, 34.9189,
54.0883

■ 12.8976, 10.5980,
1.7743

■ 35.2330, 37.9163,
62.7149

■ 12.3843, 9.6943,
1.2242

■ 38.1856, 41.0926,
72.1124

■ 12.3771, 9.6817,
1.2164

■ 41.3461, 44.4509,
82.2994

Harmonies

Analogous

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



20.8955, 20.5043, 18.6195



19.9966, 20.5043, 17.3718



18.9910, 20.5043, 17.3708

Triad

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



19.9966, 20.5043, 17.3718



17.6717, 20.5043, 23.7947



20.8943, 20.5043, 26.4971

Complementary

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



19.9966, 20.5043, 17.3718



17.7100, 18.9473, 26.0164

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.



19.9951, 20.5043, 28.1431



19.9966, 20.5043, 17.3718



18.1466, 20.5043, 26.4936

Square

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



19.9966, 20.5043, 17.3718



17.6720, 20.5043, 20.9145



18.9895, 20.5043, 28.1418



21.4258, 20.5043, 23.7990

Rectangle

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



19.9966, 20.5043, 17.3718



18.3962, 20.5043, 18.0702



18.9895, 20.5043, 28.1418



20.6237, 20.5043, 27.2017

Sweetspot

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



19.9971, 20.5052, 17.3722



39.2586, 41.0313, 41.6358



19.1381, 17.5781, 20.8130



9.0525, 9.4552, 9.5320



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.



19.9971, 20.5052, 17.3722



34.0022, 34.5883, 27.3368



21.6450, 23.9092, 17.9424



5.2334, 5.4495, 5.3284



11.7239, 9.1821, 1.1544



0.0925, 0.0903, 0.0126

Inverse Universe

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



17.7100, 18.9473, 26.0164



29.1825, 31.3056, 45.5529



16.2750, 15.9950, 25.5222



4.9603, 5.2635, 6.3604



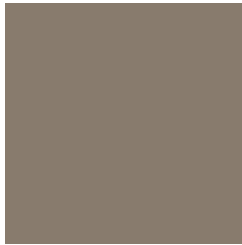
6.0298, 5.3300, 22.7567



0.0546, 0.0645, 0.1560

Previews

White Background



This preview shows how the XYZ color 19.9966, 20.5043, 17.3718 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 19.9966, 20.5043, 17.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

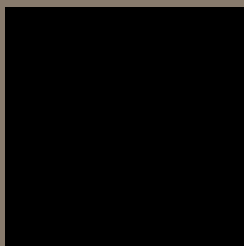
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9966, 20.5043, 17.3718

Background



This preview shows how black text looks on a background with the XYZ color 19.9966, 20.5043, 17.3718.



This preview shows how white text looks on a background with the XYZ color 19.9966, 20.5043,

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

19.9966, 20.5043, 17.3718

Protanopia

19.5082, 20.6183, 17.7034

Deuteranopia

20.8586, 20.3984, 17.5898



Tritanopia

21.3264, 20.5069, 23.6031

Trichromacy



Original Color

19.9966, 20.5043, 17.3718

Protanomaly

19.6950, 20.5276, 17.6760

Deuteranomaly

20.4671, 20.3760, 17.6061

Tritanomaly

20.8315, 20.4832, 21.2681

Monochromacy



Original Color

19.9966, 20.5043, 17.3718

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5907, 20.4143, 20.3606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9966, 20.5043, 17.3718 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, 123, 109)` looks like.

```
.text, #text, p{  
    color:rgb(136, 123, 109)  
}
```

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, 123, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 123, 109) }
```

Border

The CSS property to change the border of an element to XYZ 19.9966, 20.5043, 17.3718 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, 123, 109) }
```


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

```
.border{ border-color:rgb(136, 123, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 123, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 123, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 123, 109);  
box-shadow:4px 4px 4px 4px rgb(136, 123,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9966, 20.5043, 17.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 123, 109) }
```

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

```
.background{ background-color: rgb(136,  
123, 109) }
```

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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