

Converting Colors

XYZ(17.8745, 19.0136, 10.5125)

Have a look what the booklet for
XYZ(17.8745, 19.0136, 10.5125)
contains.

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Color

**XYZ(17.8745, 19.0136,
10.5125)**

Conversions

Conversions Part 1

Format	Color
Hex	857851
RGB	133, 120, 81
RGB Percent	52%, 47%, 32%
CMY	0.4784, 0.5294, 0.6823
CMYK	0.00, 0.10, 0.39, 0.48
HSL	45°, 24%, 42%
HSV	45°, 39%, 52%
XYZ	17.8745, 19.0136, 10.5125
YIQ	119.4410, 20.2670, -9.3730

Conversions

Conversions Part 2

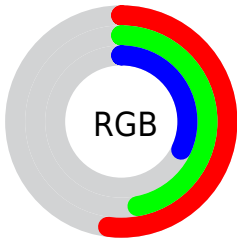
Format	Color
R_{YB}	98, 133, 81
Decimal	8747089
CIE Lab	50.70, -1.05, 23.25
CIE LCh	51, 23.278, 92.586
Yxy	19.0136, 0.3771, 0.4011
Android (android.graphics.Color)	4286937169 (0xFF857851)
YUV	119.4410, -18.9514, 11.8912
Hunter-Lab	43.6046, -3.1369, 16.2292

Details

The XYZ color **17.8745, 19.0136, 10.5125** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.6295, 11.4477, 23.7868**, and the grayscale version is **17.7287, 18.6519, 20.3120**.

A 20% lighter version of the original color is **39.3428, 41.7085, 27.4497**, and **6.1004, 6.5499, 2.5328** is the 20% darker color. If you saturate the color by 10%, you get **17.0311, 18.0483, 8.0072**, and if you desaturate by 10%, it is **18.8304, 20.0475, 13.5378**.

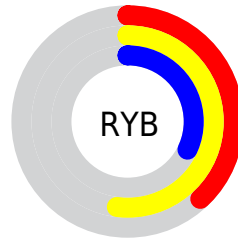
Distribution



Red (52%)

Green (47%)

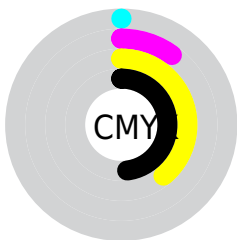
Blue (32%)



Red (38%)

Yellow (52%)

Blue (32%)

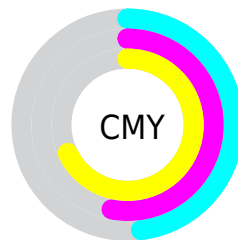


Cyan (0%)

Magenta (10%)

Yellow (39%)

Black (48%)



Cyan (48%)

Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8745, 19.0136, 10.5125 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 17.8745, 19.0136, 10.5125 by changing the saturation by 10% instead.

■ 17.8745, 19.0136,
10.5125

■ 17.8745, 19.0136,
10.5125

233.2220,
246.5238, 204.9077

■ 10.9591, 11.6801,
5.6300

■ 39.3551, 41.7571,
27.3778

■ 6.1064, 6.5262,
2.5563

■ 54.6510, 57.9359,
40.1978

■ 2.9512, 3.1676,
0.8698

■ 73.4711, 77.8318,
56.5007

■ 1.1280, 1.2199,
0.0000

■ 96.1808, 101.8294,
76.7050

■ 0.0483, 0.0778,
0.0000

■ 123.1453,
130.3130, 101.2293

■ 0.0000, 0.0000,
0.0000

154.7301,

163.6670, 130.4922

191.3006,
202.2758, 164.9121

■ 17.8745, 19.0136,
10.5125

■ 17.8745, 19.0136,
10.5125

■ 17.0311, 18.0483,
8.0072

■ 18.8304, 20.0475,
13.5378

■ 16.2930, 17.1465,
5.9905

■ 19.9029, 21.1497,
17.1096

■ 15.6542, 16.3061,
4.4294

■ 21.0973, 22.3234,
21.2543

■ 15.1073, 15.5240,
3.2864

■ 22.4185, 23.5706,
25.9959

■ 14.6440, 14.7966,
2.5177

■ 23.8709, 24.8934,
31.3571

■ 14.2423, 14.1150,
2.0083

■ 25.4587, 26.2936,
37.3596

■ 14.2069, 14.0548,
1.9641

■ 27.1859, 27.7731,
44.0239

■ 29.0564, 29.3335,
51.3696

■ 31.0738, 30.9766,
59.4153

Harmonies

Analogous

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



20.1691, 19.0136, 11.4282



17.8745, 19.0136, 10.5125



15.8094, 19.0136, 11.8142

Triad

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



17.8745, 19.0136, 10.5125



14.6200, 19.0136, 28.2378



22.2551, 19.0136, 27.0465

Complementary

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



17.8745, 19.0136, 10.5125



11.6295, 11.4477, 23.7868

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.



20.5405, 19.0136, 33.2038



17.8745, 19.0136, 10.5125



16.1253, 19.0136, 33.9871

Square

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



17.8745, 19.0136, 10.5125



14.0320, 19.0136, 21.2751



18.2707, 19.0136, 35.9712



22.8210, 19.0136, 20.1405

Rectangle

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



17.8745, 19.0136, 10.5125



14.8048, 19.0136, 13.9656



18.2707, 19.0136, 35.9712



21.7873, 19.0136, 29.3180

Sweetspot

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



17.8750, 19.0145, 10.5129



37.0778, 39.2954, 35.5912



14.6357, 11.6797, 12.0729



8.3021, 8.8028, 7.8398



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.8750, 19.0145, 10.5129



30.6461, 32.4937, 14.7595



17.6184, 21.3621, 10.9795



4.9438, 5.2312, 4.9785



13.5390, 13.4007, 1.8730



0.0527, 0.0580, 0.0084

Inverse Universe

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



11.6295, 11.4477, 23.7868



17.8095, 16.9510, 42.0716



11.7923, 9.9582, 23.4907



4.5221, 4.7198, 5.8734



4.5628, 2.6734, 21.4122



0.0209, 0.0194, 0.0759

Previews

White Background



This preview shows how the XYZ color 17.8745, 19.0136, 10.5125 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 17.8745, 19.0136, 10.5125 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 17.8745, 19.0136, 10.5125

Background



This preview shows how black text looks on a background with the XYZ color 17.8745, 19.0136, 10.5125.



This preview shows how white text looks on a background with the XYZ color 17.8745, 19.0136,

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

17.8745, 19.0136, 10.5125

Protanopia

17.6826, 19.0941, 10.5381

Deuteranopia

19.2700, 19.0293, 10.6400



Tritanopia

20.2501, 19.1200, 21.6920

Trichromacy



Original Color

17.8745, 19.0136, 10.5125

Protanomaly

17.8383, 19.1744, 10.5454

Deuteranomaly

18.6995, 18.9072, 10.6465

Tritanomaly

19.2214, 19.0395, 16.8493

Monochromacy



Original Color

17.8745, 19.0136, 10.5125

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4588, 18.4987, 16.0150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8745, 19.0136, 10.5125 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(133, 120, 81)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 81)  
}
```

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(133, 120, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 81) }
```

Border

The CSS property to change the border of an element to XYZ 17.8745, 19.0136, 10.5125 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(133, 120, 81) }
```


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

```
.border{ border-color:rgb(133, 120, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 81);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8745, 19.0136, 10.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 81) }
```

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

```
.background{ background-color: rgb(133,  
120, 81) }
```

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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