

Converting Colors

XYZ(18.9219, 18.2584, 19.9840)

Have a look what the booklet for
XYZ(18.9219, 18.2584, 19.9840)
contains.

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Color

**XYZ(19.0200, 18.3531,
19.9928)**

Conversions

Conversions Part 1

Format	Color
Hex	857277
RGB	133, 114, 119
RGB Percent	52%, 45%, 47%
CMY	0.4784, 0.5529, 0.5333
CMYK	0.00, 0.14, 0.11, 0.48
HSL	344°, 8%, 48%
HSV	344°, 14%, 52%
XYZ	19.0200, 18.3531, 19.9928
YIQ	120.2510, 9.7190, 5.5830

Conversions

Conversions Part 2

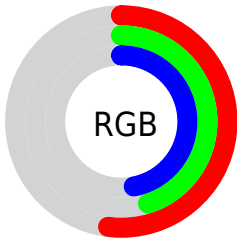
Format	Color
R_{YB}	133, 114, 119
Decimal	8745591
CIE Lab	49.92, 8.31, -0.02
CIE LCh	50, 8.311, 359.877
Yxy	18.3531, 0.3316, 0.3199
Android (android.graphics.Color)	4286935671 (0xFF857277)
YUV	120.2510, -0.6167, 11.1809
Hunter-Lab	42.8405, 4.2781, 2.3189

Details

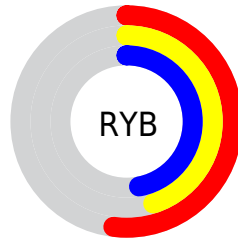
The XYZ color **19.0200, 18.3531, 19.9928** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2240, 21.9115, 23.6394**, and the grayscale version is **17.9331, 18.8670, 20.5462**.

A 20% lighter version of the original color is **41.2366, 40.6518, 44.2013**, and **6.6528, 6.1904, 6.8055** is the 20% darker color. If you saturate the color by 10%, you get **17.0690, 15.3449, 16.5866**, and if you desaturate by 10%, it is **21.2509, 21.8236, 23.7923**.

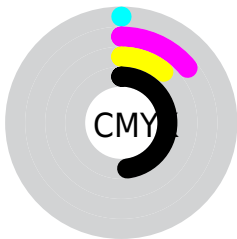
Distribution



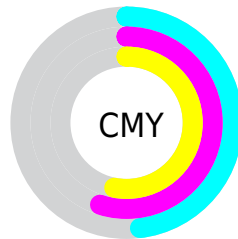
- Red (52%)
- Green (45%)
- Blue (47%)



- Red (52%)
- Yellow (45%)
- Blue (47%)



- Cyan (0%)
- Magenta (14%)
- Yellow (11%)
- Black (48%)



- Cyan (48%)
- Magenta (55%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0200, 18.3531, 19.9928 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 19.0200, 18.3531, 19.9928 by changing the saturation by 10% instead.

■ 19.0200, 18.3531,
19.9928

■ 19.0200, 18.3531,
19.9928

239.4951,
242.8538, 264.4791

■ 11.7888, 11.2038,
12.2058

■ 41.2845, 40.6381,
44.2639

■ 6.6712, 6.2041,
6.7597

■ 57.0485, 56.5426,
61.5851

■ 3.3018, 2.9696,
3.2361

■ 76.3876, 76.1342,
82.9214

■ 1.3153, 1.1159,
1.2164

■ 99.6670, 99.7974,
108.6915

■ 0.1946, 0.0000,
0.0000

127.2521,
127.9166, 139.3137

■ 0.0000, 0.0000,
0.0000

159.5082,

160.8761, 175.2067

196.8008,
199.0604, 216.7890

■ 19.0200, 18.3531,
19.9928

■ 19.0200, 18.3531,
19.9928

■ 17.0690, 15.3449,
16.5866

■ 21.2509, 21.8236,
23.7923

■ 15.3852, 12.7770,
13.5597

■ 23.7708, 25.7721,
27.9961

■ 13.9570, 10.6293,
10.8992

■ 26.5901, 30.2170,
32.6163

■ 12.7717, 8.8793,
8.5906

■ 29.7184, 35.1745,
37.6639

■ 11.8150, 7.5022,
6.6187

■ 33.1647, 40.6603,
43.1497

■ 11.0716, 6.4706,
4.9671

■ 36.9379, 46.6896,
49.0841

■ 10.5236, 5.7531,
3.6179

■ 41.0462, 53.2767,
55.4770

■ 10.1487, 5.3089,
2.5503

■ 45.4977, 60.4355,
62.3382

■ 9.9762, 5.1079,
2.0492

■ 50.3002, 68.1793,
69.6769

Harmonies

Analogous

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



18.8019, 18.3531, 22.2652



19.0200, 18.3531, 19.9928



18.8053, 18.3531, 17.8782

Triad

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



19.0200, 18.3531, 19.9928



16.6926, 18.3531, 16.4181



16.6871, 18.3531, 24.0201

Complementary

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



19.0200, 18.3531, 19.9928



19.2240, 21.9115, 23.6394

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.



16.1502, 18.3531, 22.2477



19.0200, 18.3531, 19.9928



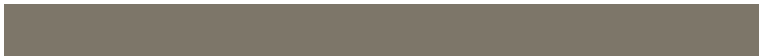
16.1533, 18.3531, 17.8631

Square

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



19.0200, 18.3531, 19.9928



17.4474, 18.3531, 15.9123



15.9577, 18.3531, 19.9740



17.4408, 18.3531, 24.6957

Rectangle

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



19.0200, 18.3531, 19.9928



18.4492, 18.3531, 16.8152



15.9577, 18.3531, 19.9740



16.4761, 18.3531, 23.5265

Sweetspot

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



19.0205, 18.3539, 19.9932



38.1377, 39.2093, 42.7450



19.1437, 18.3130, 24.7164



8.5283, 8.7340, 9.5226



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.



19.0205, 18.3539, 19.9932



32.9247, 31.1092, 33.8364



19.2404, 19.2614, 18.6243



4.7192, 4.7074, 5.1335



9.5054, 4.8665, 1.9677



0.0356, 0.0179, 0.0208

Inverse Universe

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



19.0205, 18.3539, 19.9932



32.9247, 31.1092, 33.8364



18.9670, 20.8581, 25.2170



4.7192, 4.7074, 5.1335



9.5054, 4.8665, 1.9677



0.0356, 0.0179, 0.0208

Previews

White Background



This preview shows how the XYZ color 19.0200, 18.3531, 19.9928 looks on a white 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

Black Background



This preview shows how the XYZ color 19.0200, 18.3531, 19.9928 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 19.0200, 18.3531, 19.9928

Background



This preview shows how black text looks on a background with the XYZ color 19.0200, 18.3531, 19.9928.



This preview shows how white text looks on a background with the XYZ color 19.0200, 18.3531,

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

19.0200, 18.3531, 19.9928

Protanopia

17.6754, 18.3304, 20.6957

Deuteranopia

18.6664, 18.3392, 20.0088



Tritanopia

19.0908, 18.2019, 20.9195

Trichromacy



Original Color

19.0200, 18.3531, 19.9928

Protanomaly

18.2089, 18.4386, 20.3686

Deuteranomaly

18.8206, 18.4187, 20.0160

Tritanomaly

19.0292, 18.1773, 20.5948

Monochromacy



Original Color

19.0200, 18.3531, 19.9928

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.3260, 18.6729, 20.4076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0200, 18.3531, 19.9928 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, 114, 119) looks like.

```
.text, #text, p{  
    color:rgb(133, 114, 119)  
}
```

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, 114, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 114, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.0200, 18.3531, 19.9928 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, 114, 119) }
```


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

```
.border{ border-color:rgb(133, 114, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 114, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 114, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 114, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 114,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0200, 18.3531, 19.9928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 114, 119) }
```

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

```
.background{ background-color: rgb(133,  
114, 119) }
```

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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