

Converting Colors

XYZ(19.1251, 18.4168, 20.2720)

Have a look what the booklet for
XYZ(19.1251, 18.4168, 20.2720)
contains.

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Color

**XYZ(19.0803, 18.3772,
20.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	857278
RGB	133, 114, 120
RGB Percent	52%, 45%, 47%
CMY	0.4784, 0.5529, 0.5294
CMYK	0.00, 0.14, 0.10, 0.48
HSL	341°, 8%, 48%
HSV	341°, 14%, 52%
XYZ	19.0803, 18.3772, 20.3108
YIQ	120.3650, 9.3980, 5.8940

Conversions

Conversions Part 2

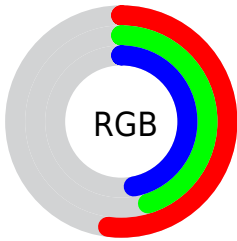
Format	Color
R_{YB}	133, 114, 120
Decimal	8745592
CIE Lab	49.95, 8.50, -0.57
CIE LCh	50, 8.515, 356.178
Yxy	18.3772, 0.3303, 0.3181
Android (android.graphics.Color)	4286935672 (0xFF857278)
YUV	120.3650, -0.1799, 11.0809
Hunter-Lab	42.8686, 4.4280, 1.9169

Details

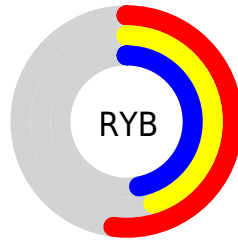
The XYZ color **19.0803, 18.3772, 20.3108** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.1584, 21.8852, 23.2942**, and the grayscale version is **17.9683, 18.9041, 20.5866**.

A 20% lighter version of the original color is **41.3323, 40.6901, 44.7053**, and **6.6852, 6.2033, 6.9759** is the 20% darker color. If you saturate the color by 10%, you get **17.1616, 15.3819, 17.0745**, and if you desaturate by 10%, it is **21.2708, 21.8315, 23.8972**.

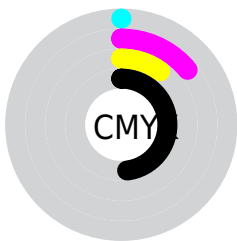
Distribution



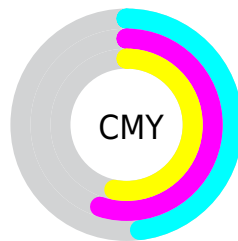
- Red (52%)
- Green (45%)
- Blue (47%)



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



- Cyan (0%)
- Magenta (14%)
- Yellow (10%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0803, 18.3772, 20.3108 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 19.0803, 18.3772, 20.3108 by changing the saturation by 10% instead.

■ 19.0803, 18.3772,
20.3108

■ 19.0803, 18.3772,
20.3108

239.8213,
242.9886, 266.2524

■ 11.8327, 11.2211,
12.4349

■ 41.3856, 40.6790,
44.8035

■ 6.7012, 6.2158,
6.9144

■ 57.1739, 56.5936,
62.2572

■ 3.3206, 2.9767,
3.3310

■ 76.5399, 76.1964,
83.7407

■ 1.3255, 1.1196,
1.2660

■ 99.8488, 99.8719,
109.6724

■ 0.2022, 0.0000,
0.0337

127.4660,
128.0045, 140.4709

■ 0.0000, 0.0000,
0.0000

159.7570,

160.9785, 176.5547

197.0870,
199.1785, 218.3424

■ 19.0803, 18.3772,
20.3108

■ 19.0803, 18.3772,
20.3108

■ 17.1616, 15.3819,
17.0745

■ 21.2708, 21.8315,
23.8972

■ 15.5022, 12.8237,
14.1762

■ 23.7416, 25.7604,
27.8428

■ 14.0910, 10.6829,
11.6051

■ 26.5029, 30.1820,
32.1579

■ 12.9156, 8.9369,
9.3491

■ 29.5641, 35.1126,
36.8519

■ 11.9625, 7.5612,
7.3953

■ 32.9337, 40.5678,
41.9340

■ 11.2164, 6.5285,
5.7301

■ 36.6204, 46.5625,
47.4129

■ 10.6603, 5.8077,
4.3382

■ 40.6320, 53.1109,
53.2973

■ 10.2724, 5.3584,
3.2025

■ 44.9766, 60.2268,
59.5952

■ 10.0907, 5.1537,
2.6524

■ 49.6615, 67.9236,
66.3149

Harmonies

Analogous

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



18.8036, 18.3772, 22.6174



19.0803, 18.3772, 20.3108



18.9137, 18.3772, 18.0914

Triad

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



19.0803, 18.3772, 20.3108



16.7837, 18.3772, 16.2407



16.6078, 18.3772, 23.9811

Complementary

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



19.0803, 18.3772, 20.3108



19.1584, 21.8852, 23.2942

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.



16.0959, 18.3772, 22.0589



19.0803, 18.3772, 20.3108



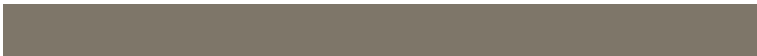
16.1952, 18.3772, 17.6104

Square

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



19.0803, 18.3772, 20.3108



17.5718, 18.3772, 15.8513



15.9473, 18.3772, 19.7115



17.3626, 18.3772, 24.8382

Rectangle

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



19.0803, 18.3772, 20.3108



18.5765, 18.3772, 16.9386



15.9473, 18.3772, 19.7115



16.4026, 18.3772, 23.4312

Sweetspot

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



19.0808, 18.3780, 20.3112



38.1719, 39.2229, 42.9248



19.0015, 18.2397, 24.7096



8.5372, 8.7375, 9.5695



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.



19.0808, 18.3780, 20.3112



33.0523, 31.1603, 34.5085



19.1284, 19.0377, 18.5870



4.7287, 4.7112, 5.1835



9.6148, 4.9103, 2.5441



0.0363, 0.0182, 0.0247

Inverse Universe

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



19.0808, 18.3780, 20.3112



33.0523, 31.1603, 34.5085



19.0921, 21.1083, 25.2585



4.7287, 4.7112, 5.1835



9.6148, 4.9103, 2.5441



0.0363, 0.0182, 0.0247

Previews

White Background



This preview shows how the XYZ color 19.0803, 18.3772, 20.3108 looks on a white background.

Color Contrast Check

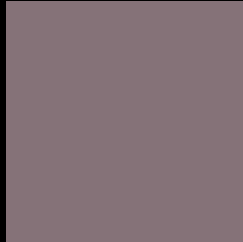
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0803, 18.3772, 20.3108 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 19.0803, 18.3772, 20.3108

Background



This preview shows how black text looks on a background with the XYZ color 19.0803, 18.3772, 20.3108.



This preview shows how white text looks on a background with the XYZ color 19.0803, 18.3772,

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

19.0803, 18.3772, 20.3108

Protanopia

17.7370, 18.3551, 21.0204

Deuteranopia

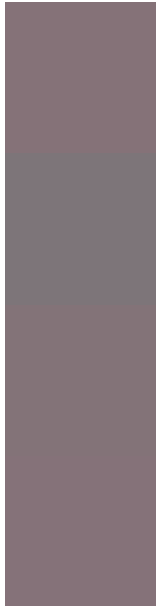
18.7268, 18.3634, 20.3268



Tritanopia

19.2030, 18.4263, 20.9569

Trichromacy



Original Color

19.0803, 18.3772, 20.3108

Protanomaly

18.2699, 18.4630, 20.6900

Deuteranomaly

18.8810, 18.4428, 20.3340

Tritanomaly

19.1414, 18.4016, 20.6322

Monochromacy



Original Color

19.0803, 18.3772, 20.3108

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 19.0803, 18.3772, 20.3108 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 114, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 114, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.0803, 18.3772, 20.3108 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, 120) }
```


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

```
.border{ border-color:rgb(133, 114, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 114, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 114, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 114,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0803, 18.3772, 20.3108 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, 120) }
```

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

```
.background{ background-color: rgb(133,  
114, 120) }
```

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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