

Converting Colors

XYZ(18.8584, 19.0372, 20.9471)

Have a look what the booklet for
XYZ(18.8584, 19.0372, 20.9471)
contains.

XYZ(19.0118, 19.1880, 21.1140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.0118, 19.1880,
21.1140)**

Conversions

Conversions Part 1

Format	Color
Hex	80777A
RGB	128, 119, 122
RGB Percent	50%, 47%, 48%
CMY	0.4980, 0.5333, 0.5216
CMYK	0.00, 0.07, 0.05, 0.50
HSL	340°, 4%, 48%
HSV	340°, 7%, 50%
XYZ	19.0118, 19.1880, 21.1140
YIQ	122.0330, 4.4010, 2.8410

Conversions

Conversions Part 2

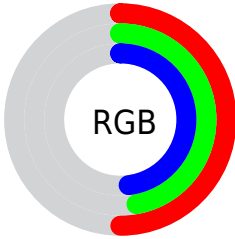
Format	Color
R_{YB}	128, 119, 122
Decimal	8419194
CIE Lab	50.91, 4.02, -0.41
CIE LCh	51, 4.045, 354.235
Yxy	19.1880, 0.3205, 0.3235
Android (android.graphics.Color)	4286609274 (0xFF80777A)
YUV	122.0330, -0.0163, 5.2331
Hunter-Lab	43.8041, 0.8151, 2.0845

Details

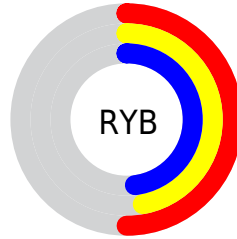
The XYZ color **19.0118, 19.1880, 21.1140** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0294, 20.8415, 22.4230**, and the grayscale version is **18.5090, 19.4729, 21.2059**.

A 20% lighter version of the original color is **41.2589, 42.0056, 45.9777**, and **6.6803, 6.6498, 7.2348** is the 20% darker color. If you saturate the color by 10%, you get **17.0841, 16.1420, 17.9758**, and if you desaturate by 10%, it is **21.1922, 22.6646, 24.5661**.

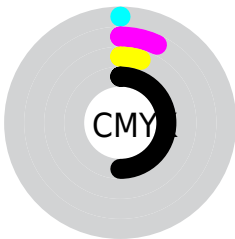
Distribution



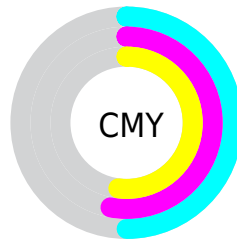
- Red (50%)
- Green (47%)
- Blue (48%)



- Red (50%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0118, 19.1880, 21.1140 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 19.0118, 19.1880, 21.1140 by changing the saturation by 10% instead.

■ 19.0118, 19.1880,
21.1140

■ 19.0118, 19.1880,
21.1140

239.4508,
247.4847, 270.6846

■ 11.7829, 11.8062,
13.0153

■ 41.2708, 42.0515,
46.1604

■ 6.6671, 6.6119,
7.3082

■ 57.0315, 58.3021,
63.9453

■ 3.2993, 3.2206,
3.5742

■ 76.3669, 78.2776,
85.7959

■ 1.3139, 1.2479,
1.3948

99.6422, 102.3626,
112.1308

■ 0.1936, 0.1003,
0.1377

127.2229,
130.9414, 143.3686

■ 0.0000, 0.0000,
0.0000

159.4744,

164.3984, 179.9278

196.7618,
203.1180, 222.2270

■ 19.0118, 19.1880,
21.1140

■ 19.0118, 19.1880,
21.1140

■ 17.0841, 16.1420,
17.9758

■ 21.1922, 22.6646,
24.5661

■ 15.3982, 13.5074,
15.1413

■ 23.6326, 26.5852,
28.3396

■ 13.9448, 11.2671,
12.6016

■ 26.3418, 30.9657,
32.4430

■ 12.7131, 9.4019,
10.3466

■ 29.3280, 35.8202,
36.8843

■ 11.6916, 7.8911,
8.3659

■ 32.5988, 41.1627,
41.6712

■ 10.8679, 6.7118,
6.6483

■ 36.1615, 47.0061,
46.8110

■ 10.2280, 5.8384,
5.1817

■ 40.0232, 53.3631,
52.3111

■ 9.7558, 5.2416,
3.9528

■ 44.1909, 60.2459,
58.1783

■ 9.4207, 4.8627,
2.9430

■ 48.6712, 67.6663,
64.4194

Harmonies

Analogous

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



18.8674, 19.1880, 22.2034



19.0118, 19.1880, 21.1140



18.9463, 19.1880, 20.0033

Triad

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



19.0118, 19.1880, 21.1140



17.9244, 19.1880, 18.9519



17.7928, 19.1880, 22.7269

Complementary

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



19.0118, 19.1880, 21.1140



19.0294, 20.8415, 22.4230

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.



17.5468, 19.1880, 21.8076



19.0118, 19.1880, 21.1140



17.6220, 19.1880, 19.6342

Square

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



19.0118, 19.1880, 21.1140



18.3148, 19.1880, 18.7813



17.4847, 19.1880, 20.6725



18.1606, 19.1880, 23.1562

Rectangle

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



19.0118, 19.1880, 21.1140



18.7930, 19.1880, 19.3966



17.4847, 19.1880, 20.6725



17.6933, 19.1880, 22.4634

Sweetspot

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



19.0123, 19.1888, 21.1144



35.3299, 36.7379, 40.1333



18.9512, 19.1130, 23.1128



8.2846, 8.6220, 9.4168



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.0123, 19.1888, 21.1144



33.0594, 33.1270, 36.5088



19.0093, 19.4755, 20.2110



4.3823, 4.3661, 4.8176



9.2536, 4.7211, 2.6592



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.0123, 19.1888, 21.1144



33.0594, 33.1270, 36.5088



19.0297, 20.5309, 23.3823



4.3823, 4.3661, 4.8176



9.2536, 4.7211, 2.6592



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.0118, 19.1880, 21.1140 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 19.0118, 19.1880, 21.1140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

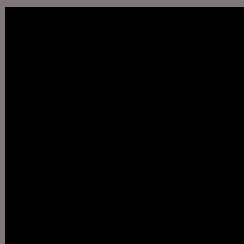
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0118, 19.1880, 21.1140

Background



This preview shows how black text looks on a background with the XYZ color 19.0118, 19.1880, 21.1140.



This preview shows how white text looks on a background with the XYZ color 19.0118, 19.1880,

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

19.0118, 19.1880, 21.1140

Protanopia

18.5809, 19.3158, 21.4879

Deuteranopia

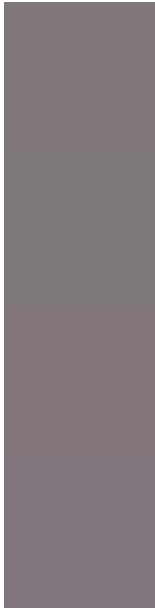
19.3899, 19.0333, 21.0642



Tritanopia

19.3625, 19.1563, 22.7557

Trichromacy



Original Color

19.0118, 19.1880, 21.1140

Protanomaly

18.7491, 19.2230, 21.4611

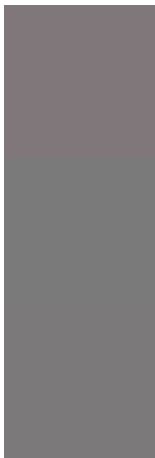
Deuteranomaly

19.3514, 19.1873, 21.0959

Tritanomaly

19.2334, 19.1047, 22.0759

Monochromacy



Original Color

19.0118, 19.1880, 21.1140

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6624, 19.3650, 21.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0118, 19.1880, 21.1140 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(128, 119, 122)` looks like.

```
.text, #text, p{  
    color:rgb(128, 119, 122)  
}
```

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(128, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 119, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.0118, 19.1880, 21.1140 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(128, 119, 122) }
```


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

```
.border{ border-color:rgb(128, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 119, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 119, 122);  
box-shadow:4px 4px 4px 4px rgb(128, 119,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0118, 19.1880, 21.1140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 119, 122) }
```

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

```
.background{ background-color: rgb(128,  
119, 122) }
```

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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