

Converting Colors

XYZ(18.9775, 18.9589, 21.5978)

Have a look what the booklet for
XYZ(18.9775, 18.9589, 21.5978)
contains.

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Color

**XYZ(19.0186, 19.0013,
21.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	80767C
RGB	128, 118, 124
RGB Percent	50%, 46%, 49%
CMY	0.4980, 0.5372, 0.5137
CMYK	0.00, 0.08, 0.03, 0.50
HSL	324°, 4%, 48%
HSV	324°, 8%, 50%
XYZ	19.0186, 19.0013, 21.7340
YIQ	121.6740, 4.0340, 3.9860

Conversions

Conversions Part 2

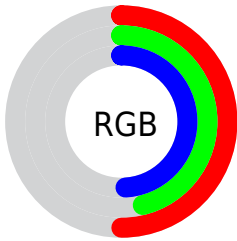
Format	Color
R_{YB}	128, 118, 124
Decimal	8418940
CIE Lab	50.69, 5.00, -1.90
CIE LCh	51, 5.348, 339.145
Yxy	19.0013, 0.3183, 0.3180
Android (android.graphics.Color)	4286609020 (0xFF80767C)
YUV	121.6740, 1.1467, 5.5479
Hunter-Lab	43.5905, 1.5965, 0.9516

Details

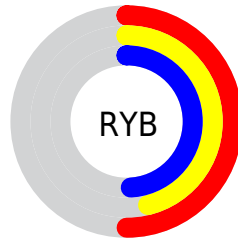
The XYZ color **19.0186, 19.0013, 21.7340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7040, 20.6955, 21.4222**, and the grayscale version is **18.3884, 19.3460, 21.0678**.

A 20% lighter version of the original color is **41.2673, 41.7078, 46.9497**, and **6.6846, 6.5506, 7.5687** is the 20% darker color. If you saturate the color by 10%, you get **17.2970, 16.0628, 19.6037**, and if you desaturate by 10%, it is **20.9627, 22.3573, 24.0219**.

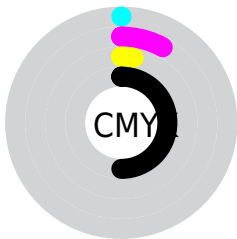
Distribution



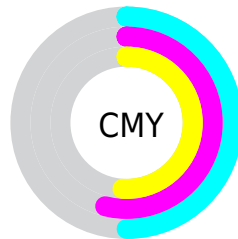
- Red (50%)
- Green (46%)
- Blue (49%)



- Red (50%)
- Yellow (46%)
- Blue (49%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0186, 19.0013, 21.7340 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 19.0186, 19.0013, 21.7340 by changing the saturation by 10% instead.

■ 19.0186, 19.0013,
21.7340

■ 19.0186, 19.0013,
21.7340

239.4876,
246.4559, 274.0620

■ 11.7878, 11.6712,
13.4651

■ 41.2822, 41.7363,
47.2025

■ 6.6705, 6.5202,
7.6151

■ 57.0456, 57.9100,
65.2392

■ 3.3014, 3.1639,
3.7655

■ 76.3840, 77.8004,
87.3690

■ 1.3151, 1.2179,
1.4976

99.6627, 101.7918,
114.0103

■ 0.1945, 0.0762,
0.2161

127.2471,
130.2687, 145.5817

■ 0.0000, 0.0000,
0.0000

159.5024,

163.6154, 182.5018

196.7941,
202.2163, 225.1890

■ 19.0186, 19.0013,
21.7340

■ 19.0186, 19.0013,
21.7340

■ 17.2970, 16.0628,
19.6037

■ 20.9627, 22.3573,
24.0219

■ 15.7879, 13.5230,
17.6257

■ 23.1355, 26.1438,
26.4702

■ 14.4827, 11.3649,
15.7962

■ 25.5453, 30.3765,
29.0828

■ 13.3718, 9.5698,
14.1106

■ 28.1993, 35.0694,
31.8633

■ 12.4448, 8.1172,
12.5642

■ 31.1043, 40.2360,
34.8153

■ 11.6901, 6.9844,
11.1516

■ 34.2669, 45.8889,
37.9420

■ 11.0948, 6.1461,
9.8673

■ 37.6935, 52.0408,
41.2467

■ 10.6442, 5.5732,
8.7047

■ 41.3903, 58.7034,
44.7324

■ 10.3045, 5.1989,
7.6512

■ 45.3632, 65.8883,
48.4023

Harmonies

Analogous

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



18.7040, 19.0013, 23.0098



19.0186, 19.0013, 21.7340



19.0737, 19.0013, 20.2337

Triad

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



19.0186, 19.0013, 21.7340



17.9004, 19.0013, 17.9679



17.2896, 19.0013, 22.5657

Complementary

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



19.0186, 19.0013, 21.7340



18.7040, 20.6955, 21.4222

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.



17.0831, 19.0013, 21.1514



19.0186, 19.0013, 21.7340



17.4313, 19.0013, 18.5301

Square

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



19.0186, 19.0013, 21.7340



18.4214, 19.0013, 18.1070



17.1345, 19.0013, 19.6784



17.7037, 19.0013, 23.5058

Rectangle

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



19.0186, 19.0013, 21.7340



18.9549, 19.0013, 19.3148



17.1345, 19.0013, 19.6784



17.1940, 19.0013, 22.1272

Sweetspot

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



19.0191, 19.0021, 21.7344



35.4098, 36.7699, 40.5539



18.4015, 18.6539, 23.0530



8.3020, 8.6289, 9.5084



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.



19.0191, 19.0021, 21.7344



33.0393, 32.6898, 37.7261



18.7110, 18.8788, 20.1115



4.4276, 4.3842, 5.0560



10.1486, 5.0791, 7.3724



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.0191, 19.0021, 21.7344



33.0393, 32.6898, 37.7261



19.0217, 20.8226, 23.0956



4.4276, 4.3842, 5.0560



10.1486, 5.0791, 7.3724



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.0186, 19.0013, 21.7340 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 19.0186, 19.0013, 21.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

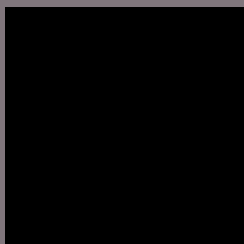
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0186, 19.0013, 21.7340

Background



This preview shows how black text looks on a background with the XYZ color 19.0186, 19.0013, 21.7340.



This preview shows how white text looks on a background with the XYZ color 19.0186, 19.0013,

21.7340.

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

19.0186, 19.0013, 21.7340

Protanopia

18.4442, 19.0512, 22.1072

Deuteranopia

19.3595, 19.0031, 21.7164



Tritanopia

19.2113, 19.0784, 22.7486

Trichromacy



Original Color

19.0186, 19.0013, 21.7340

Protanomaly

18.6107, 18.9594, 22.0807

Deuteranomaly

19.2053, 18.9236, 21.7092

Tritanomaly

19.1464, 19.0524, 22.4070

Monochromacy



Original Color

19.0186, 19.0013, 21.7340

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7247, 19.3899, 21.4946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0186, 19.0013, 21.7340 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, 118, 124)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 124)  
}
```

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, 118, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 124) }
```

Border

The CSS property to change the border of an element to XYZ 19.0186, 19.0013, 21.7340 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, 118, 124) }
```


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

```
.border{ border-color:rgb(128, 118, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 124);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0186, 19.0013, 21.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 124) }
```

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

```
.background{ background-color: rgb(128,  
118, 124) }
```

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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