

Converting Colors

XYZ(18.3767, 19.9288, 22.0210)

Have a look what the booklet for
XYZ(18.3767, 19.9288, 22.0210)
contains.

XYZ(18.3078, 19.9044, 21.9458)	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(18.3078, 19.9044,
21.9458)**

Conversions

Conversions Part 1

Format	Color
Hex	757D7C
RGB	117, 125, 124
RGB Percent	46%, 49%, 49%
CMY	0.5412, 0.5098, 0.5137
CMYK	0.06, 0.00, 0.01, 0.51
HSL	172°, 3%, 47%
HSV	172°, 6%, 49%
XYZ	18.3078, 19.9044, 21.9458
YIQ	122.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

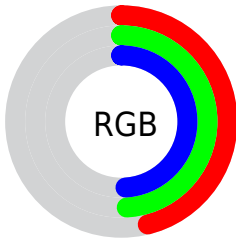
Format	Color
RYB	117, 121, 125
Decimal	7699836
CIELab	51.73, -3.18, -0.49
CIELCh	52, 3.213, 188.750
Yxy	19.9044, 0.3043, 0.3309
Android (android.graphics.Color)	4285889916 (0xFF757D7C)
YUV	122.4940, 0.7425, -4.8182
Hunter-Lab	44.6143, -4.8264, 2.0653

Details

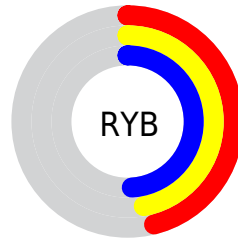
The XYZ color **18.3078, 19.9044, 21.9458** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0895, 18.3910, 19.7368**, and the grayscale version is **18.6595, 19.6312, 21.3784**.

A 20% lighter version of the original color is **40.1191, 43.4104, 47.3388**, and **6.3087, 6.9421, 7.6641** is the 20% darker color. If you saturate the color by 10%, you get **16.6411, 19.0571, 21.3554**, and if you desaturate by 10%, it is **20.2015, 20.8697, 22.5558**.

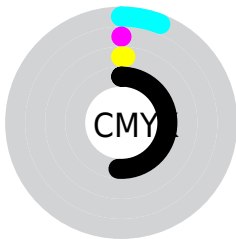
Distribution



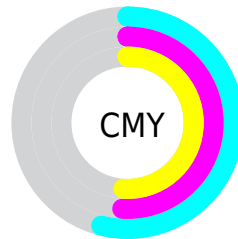
- Red (46%)
- Green (49%)
- Blue (49%)



- Red (46%)
- Yellow (47%)
- Blue (49%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (51%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3078, 19.9044, 21.9458 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 18.3078, 19.9044, 21.9458 by changing the saturation by 10% instead.

■ 18.3078, 19.9044,
21.9458

■ 18.3078, 19.9044,
21.9458

235.6125,
251.3971, 275.2074

■ 11.2722, 12.3256,
13.6191

■ 40.0871, 43.2568,
47.5574

■ 6.3189, 6.9658,
7.7205

■ 55.5615, 59.7993,
65.6795

■ 3.0824, 3.4407,
3.8315

■ 74.5796, 80.0983,
87.9038

■ 1.1975, 1.3659,
1.5333

97.5067, 104.5384,
114.6488

■ 0.1044, 0.1914,
0.2426

124.7082,
133.5039, 146.3332

■ 0.0000, 0.0000,
0.0000

156.5494,

167.3793, 183.3753

193.3957,
206.5489, 226.1939

■ 18.3078, 19.9044,
21.9458

■ 18.3078, 19.9044,
21.9458

■ 16.6411, 19.0571,
21.3554

■ 20.2015, 20.8697,
22.5558

■ 15.1909, 18.3206,
20.7830

■ 22.3289, 21.9547,
23.1846

■ 13.9483, 17.6910,
20.2283

■ 24.6985, 23.1643,
23.8330

■ 12.9032, 17.1631,
19.6910

■ 27.3177, 24.5025,
24.5014

■ 12.0447, 16.7312,
19.1705

■ 30.1938, 25.9729,
25.1902

■ 11.3608, 16.3890,
18.6662

■ 33.3338, 27.5792,
25.8997

■ 10.8379, 16.1298,
18.1774

■ 36.7442, 29.3247,
26.6303

■ 10.4607, 15.9454,
17.7034

■ 40.4316, 31.2128,
27.3824

■ 10.2000, 15.8209,
17.2427

■ 44.4020, 33.2466,
28.1561

Harmonies

Analogous

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



18.3423, 19.9044, 21.0305



18.3078, 19.9044, 21.9458



18.4355, 19.9044, 22.8117

Triad

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



18.3078, 19.9044, 21.9458



19.3122, 19.9044, 23.0980



19.1459, 19.9044, 20.0475

Complementary

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



18.3078, 19.9044, 21.9458



18.0895, 18.3910, 19.7368

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.



19.4099, 19.9044, 20.5719



18.3078, 19.9044, 21.9458



19.5067, 19.9044, 22.3274

Square

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



18.3078, 19.9044, 21.9458



19.0137, 19.9044, 23.4893



19.5427, 19.9044, 21.4015



18.8237, 19.9044, 19.9519

Rectangle

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



18.3078, 19.9044, 21.9458



18.5963, 19.9044, 23.2383



19.5427, 19.9044, 21.4015



19.2445, 19.9044, 20.1787

Sweetspot

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



18.3084, 19.9052, 21.9462



34.2093, 36.3693, 39.7693



18.0253, 19.8087, 19.7032



7.7929, 8.2785, 9.0498



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.3084, 19.9052, 21.9462



32.2199, 35.3564, 39.1063



18.0061, 19.1987, 22.1598



4.4240, 4.8779, 5.4039



10.5528, 16.4677, 17.8154



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.0895, 18.3910, 19.7368



31.7240, 31.9261, 34.1013



18.3775, 19.0619, 19.5405



4.3480, 4.3524, 4.6371



8.9203, 4.5878, 0.9043



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.3078, 19.9044, 21.9458 looks on a white background.

Color Contrast Check

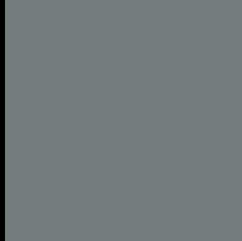
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3078, 19.9044, 21.9458 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

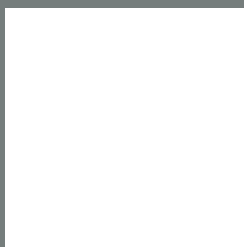
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3078, 19.9044, 21.9458

Background



This preview shows how black text looks on a background with the XYZ color 18.3078, 19.9044, 21.9458.



This preview shows how white text looks on a background with the XYZ color 18.3078, 19.9044,

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

18.3078, 19.9044, 21.9458

Protanopia

19.1156, 19.9560, 21.5833

Deuteranopia

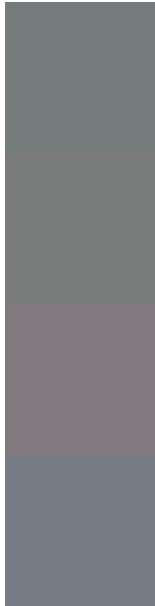
20.1300, 19.7427, 22.1518



Tritanopia

19.0490, 20.0307, 25.0526

Trichromacy



Original Color

18.3078, 19.9044, 21.9458

Protanomaly

18.8088, 19.9829, 21.6047

Deuteranomaly

19.4411, 19.7446, 22.1885

Tritanomaly

18.7081, 19.8786, 23.9700

Monochromacy



Original Color

18.3078, 19.9044, 21.9458

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4038, 19.5890, 21.5500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3078, 19.9044, 21.9458 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(117, 125, 124) looks like.

```
.text, #text, p{  
    color:rgb(117, 125, 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(117, 125, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 125, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.3078, 19.9044, 21.9458 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(117, 125, 124) }
```


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

```
.border{ border-color:rgb(117, 125, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 125, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 125, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 125, 124);  
box-shadow:4px 4px 4px 4px rgb(117, 125,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3078, 19.9044, 21.9458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 125, 124) }
```

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

```
.background{ background-color: rgb(117,  
125, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor