

Converting Colors

XYZ(18.3495, 17.8927, 21.1680)

Have a look what the booklet for
XYZ(18.3495, 17.8927, 21.1680)
contains.

XYZ(18.3824, 17.8295, 21.2115)	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(18.3824, 17.8295,
21.2115)**

Conversions

Conversions Part 1

Format	Color
Hex	80717B
RGB	128, 113, 123
RGB Percent	50%, 44%, 48%
CMY	0.4980, 0.5569, 0.5176
CMYK	0.00, 0.12, 0.04, 0.50
HSL	320°, 6%, 47%
HSV	320°, 12%, 50%
XYZ	18.3824, 17.8295, 21.2115
YIQ	118.6250, 5.7300, 6.2900

Conversions

Conversions Part 2

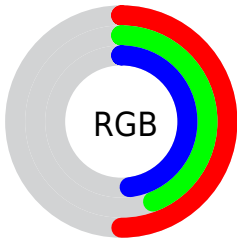
Format	Color
R _Y B	128, 113, 123
Decimal	8417659
CIE Lab	49.29, 7.73, -3.37
CIE LCh	49, 8.438, 336.435
Yxy	17.8295, 0.3201, 0.3105
Android (android.graphics.Color)	4286607739 (0xFF80717B)
YUV	118.6250, 2.1569, 8.2219
Hunter-Lab	42.2250, 3.8152, -0.2265

Details

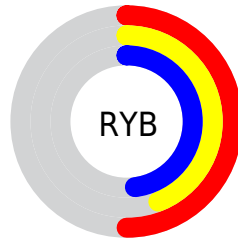
The XYZ color **18.3824, 17.8295, 21.2115** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7999, 20.2576, 20.1125**, and the grayscale version is **17.4088, 18.3154, 19.9454**.

A 20% lighter version of the original color is **40.2491, 39.8292, 46.1239**, and **6.3508, 5.9373, 7.2899** is the 20% darker color. If you saturate the color by 10%, you get **16.7927, 15.0681, 19.3923**, and if you desaturate by 10%, it is **20.1862, 21.0000, 23.1599**.

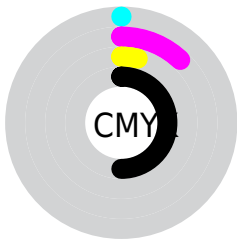
Distribution



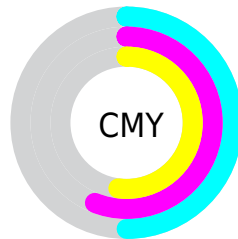
- Red (50%)
- Green (44%)
- Blue (48%)



- Red (50%)
- Yellow (44%)
- Blue (48%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3824, 17.8295, 21.2115 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 18.3824, 17.8295, 21.2115 by changing the saturation by 10% instead.

■ 18.3824, 17.8295,
21.2115

■ 18.3824, 17.8295,
21.2115

236.0218,
239.9083, 271.2182

■ 11.3262, 10.8276,
13.0859

■ 40.2128, 39.7466,
46.3246

■ 6.3556, 5.9511,
7.3563

■ 55.7178, 55.4306,
64.1493

■ 3.1052, 2.8153,
3.6041

■ 74.7698, 74.7775,
86.0440

■ 1.2096, 1.0361,
1.4108

■ 97.7341, 98.1716,
112.4274

■ 0.1140, 0.0000,
0.1501

124.9761,
125.9973, 143.7180

■ 0.0000, 0.0000,
0.0000

156.8612,

158.6391, 180.3343

193.7546,
196.4813, 222.6949

■ 18.3824, 17.8295,
21.2115

■ 18.3824, 17.8295,
21.2115

■ 16.7927, 15.0681,
19.3923

■ 20.1862, 21.0000,
23.1599

■ 15.4070, 12.6966,
17.6977

■ 22.2107, 24.5931,
25.2399

■ 14.2168, 10.6978,
16.1242

■ 24.4638, 28.6245,
27.4550

■ 13.2121, 9.0523,
14.6678

■ 26.9530, 33.1086,
29.8082

■ 12.3823, 7.7388,
13.3242

■ 29.6850, 38.0589,
32.3027

■ 11.7155, 6.7338,
12.0887

■ 32.6665, 43.4885,
34.9413

■ 11.1982, 6.0108,
10.9559

■ 35.9040, 49.4099,
37.7267

■ 10.8148, 5.5385,
9.9198

■ 39.4034, 55.8352,
40.6616

■ 10.5550, 5.2504,
9.1197

■ 43.1708, 62.7760,
43.7486

Harmonies

Analogous

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



17.8680, 17.8295, 23.1417



18.3824, 17.8295, 21.2115



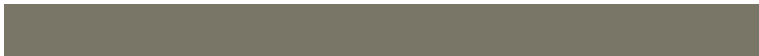
18.5068, 17.8295, 18.9281

Triad

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



18.3824, 17.8295, 21.2115



16.7761, 17.8295, 15.3902



15.7493, 17.8295, 22.1232

Complementary

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



18.3824, 17.8295, 21.2115



17.7999, 20.2576, 20.1125

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.



15.4763, 17.8295, 19.9067



18.3824, 17.8295, 21.2115



16.0571, 17.8295, 16.1085

Square

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



18.3824, 17.8295, 21.2115



17.5632, 17.8295, 15.6803



15.5872, 17.8295, 17.7197



16.3442, 17.8295, 23.6961

Rectangle

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



18.3824, 17.8295, 21.2115



18.3484, 17.8295, 17.5339



15.5872, 17.8295, 17.7197



15.6177, 17.8295, 21.4224

Sweetspot

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



18.3829, 17.8303, 21.2119



34.7516, 35.5813, 39.9406



17.2733, 17.2212, 22.8361



8.0856, 8.2413, 9.2971



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.



18.3829, 17.8303, 21.2119



31.6006, 30.0577, 36.4901



17.9312, 17.6496, 18.8334



4.4391, 4.3888, 5.1168



10.4665, 5.2063, 9.0461



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.3829, 17.8303, 21.2119



31.6006, 30.0577, 36.4901



18.2635, 20.4430, 22.5537



4.4391, 4.3888, 5.1168



10.4665, 5.2063, 9.0461



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.3824, 17.8295, 21.2115 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 18.3824, 17.8295, 21.2115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

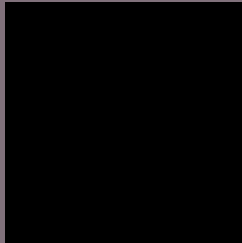
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3824, 17.8295, 21.2115

Background



This preview shows how black text looks on a background with the XYZ color 18.3824, 17.8295, 21.2115.



This preview shows how white text looks on a background with the XYZ color 18.3824, 17.8295,

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

18.3824, 17.8295, 21.2115

Protanopia

17.3991, 17.9852, 21.9565

Deuteranopia

18.1966, 17.9003, 21.2349



Tritanopia

18.3201, 17.8046, 20.8834

Trichromacy



Original Color

18.3824, 17.8295, 21.2115

Protanomaly

17.7686, 18.0110, 21.6087

Deuteranomaly

18.3449, 17.9767, 21.2419

Tritanomaly

18.3201, 17.8046, 20.8834

Monochromacy



Original Color

18.3824, 17.8295, 21.2115

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7775, 18.2162, 20.3484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3824, 17.8295, 21.2115 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, 113, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 113, 123)  
}
```

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, 113, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 113, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.3824, 17.8295, 21.2115 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, 113, 123) }
```


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

```
.border{ border-color:rgb(128, 113, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 113, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 113, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 113, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 113,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3824, 17.8295, 21.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 113, 123) }
```

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

```
.background{ background-color: rgb(128,  
113, 123) }
```

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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