

Converting Colors

XYZ(18.9710, 18.8557, 21.3836)

Have a look what the booklet for
XYZ(18.9710, 18.8557, 21.3836)
contains.

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Color

**XYZ(18.9897, 18.8198,
21.3706)**

Conversions

Conversions Part 1

Format	Color
Hex	81757B
RGB	129, 117, 123
RGB Percent	51%, 46%, 48%
CMY	0.4941, 0.5412, 0.5176
CMYK	0.00, 0.09, 0.05, 0.49
HSL	330°, 5%, 48%
HSV	330°, 9%, 51%
XYZ	18.9897, 18.8198, 21.3706
YIQ	121.2720, 5.2260, 4.4100

Conversions

Conversions Part 2

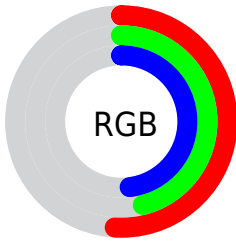
Format	Color
R_{YB}	129, 117, 123
Decimal	8484219
CIE _{Lab}	50.48, 5.77, -1.62
CIE _{LCh}	50, 5.990, 344.348
Yxy	18.8198, 0.3209, 0.3180
Android (android.graphics.Color)	4286674299 (0xFF81757B)
YUV	121.2720, 0.8519, 6.7775
Hunter-Lab	43.3818, 2.2174, 1.1600

Details

The XYZ color **18.9897, 18.8198, 21.3706** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7623, 20.9130, 21.7877**, and the grayscale version is **18.2586, 19.2094, 20.9191**.

A 20% lighter version of the original color is **41.2172, 41.4162, 46.3792**, and **6.6724, 6.4561, 7.3730** is the 20% darker color. If you saturate the color by 10%, you get **17.1985, 15.8624, 18.8464**, and if you desaturate by 10%, it is **21.0157, 22.2038, 24.1049**.

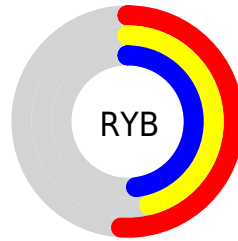
Distribution



Red (51%)

Green (46%)

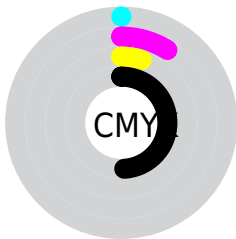
Blue (48%)



Red (51%)

Yellow (46%)

Blue (48%)

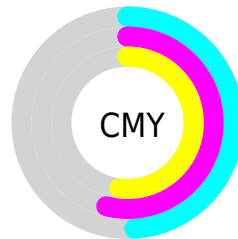


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (49%)



Cyan (49%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9897, 18.8198, 21.3706 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 18.9897, 18.8198, 21.3706 by changing the saturation by 10% instead.

■ 18.9897, 18.8198,
21.3706

■ 18.9897, 18.8198,
21.3706

239.3311,
245.4521, 272.0870

■ 11.7668, 11.5401,
13.2013

■ 41.2337, 41.4294,
46.5923

■ 6.6562, 6.4314,
7.4349

■ 56.9855, 57.5281,
64.4817

■ 3.2924, 3.1091,
3.6530

■ 76.3110, 77.3353,
86.4483

■ 1.3102, 1.1890,
1.4370

99.5755, 101.2353,
112.9105

■ 0.1909, 0.0527,
0.1703

127.1444,
129.6127, 144.2870

■ 0.0000, 0.0000,
0.0000

159.3831,

162.8516, 180.9962

196.6569,
201.3367, 223.4567

■ 18.9897, 18.8198,
21.3706

■ 18.9897, 18.8198,
21.3706

■ 17.1985, 15.8624,
18.8464

■ 21.0157, 22.2038,
24.1049

■ 15.6317, 13.3121,
16.5255

■ 23.2834, 26.0280,
27.0533

■ 14.2801, 11.1515,
14.4027

■ 25.8013, 30.3084,
30.2213

■ 13.1337, 9.3609,
12.4718

■ 28.5770, 35.0596,
33.6136

■ 12.1812, 7.9192,
10.7263

■ 31.6179, 40.2953,
37.2351

■ 11.4106, 6.8028,
9.1595

■ 34.9308, 46.0290,
41.0902

■ 10.8080, 5.9853,
7.7636

■ 38.5226, 52.2733,
45.1834

■ 10.3577, 5.4359,
6.5305

■ 42.3998, 59.0405,
49.5188

■ 10.0155, 5.0677,
5.4421

■ 46.5686, 66.3426,
54.1007

Harmonies

Analogous

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



18.6833, 18.8198, 22.8759



18.9897, 18.8198, 21.3706



18.9966, 18.8198, 19.7057

Triad

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



18.9897, 18.8198, 21.3706



17.6111, 18.8198, 17.5341



17.0974, 18.8198, 22.8203

Complementary

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



18.9897, 18.8198, 21.3706



18.7623, 20.9130, 21.7877

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.



16.8227, 18.8198, 21.2980



18.9897, 18.8198, 21.3706



17.1149, 18.8198, 18.2790

Square

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



18.9897, 18.8198, 21.3706



18.1920, 18.8198, 17.5511



16.8291, 18.8198, 19.6370



17.5867, 18.8198, 23.7433

Rectangle

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



18.9897, 18.8198, 21.3706



18.8299, 18.8198, 18.7319



16.8291, 18.8198, 19.6370



16.9774, 18.8198, 22.3581

Sweetspot

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



18.9902, 18.8206, 21.3710



36.2165, 37.3863, 41.2757



18.4928, 18.5195, 23.3690



8.1368, 8.3609, 9.2610



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.



18.9902, 18.8206, 21.3710



33.3464, 32.6072, 37.3561



18.6261, 18.6750, 19.4536



4.4104, 4.3773, 4.9657



9.7450, 4.9177, 5.2470



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.9902, 18.8206, 21.3710



33.3464, 32.6072, 37.3561



19.1494, 21.0678, 23.8263



4.4104, 4.3773, 4.9657



9.7450, 4.9177, 5.2470



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9897, 18.8198, 21.3706 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 18.9897, 18.8198, 21.3706 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 18.9897, 18.8198, 21.3706

Background



This preview shows how black text looks on a background with the XYZ color 18.9897, 18.8198, 21.3706.



This preview shows how white text looks on a background with the XYZ color 18.9897, 18.8198,

21.3706.

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

18.9897, 18.8198, 21.3706

Protanopia

18.2397, 18.9531, 21.7658

Deuteranopia

19.0265, 18.6667, 21.3391



Tritanopia

19.1804, 18.8961, 22.3750

Trichromacy



Original Color

18.9897, 18.8198, 21.3706

Protanomaly

18.5471, 18.9340, 21.7459

Deuteranomaly

19.0265, 18.6667, 21.3391

Tritanomaly

19.1162, 18.8704, 22.0368

Monochromacy



Original Color

18.9897, 18.8198, 21.3706

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.5415, 19.1232, 21.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9897, 18.8198, 21.3706 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(129, 117, 123) looks like.

```
.text, #text, p{  
    color:rgb(129, 117, 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(129, 117, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 117, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.9897, 18.8198, 21.3706 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(129, 117, 123) }
```


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

```
.border{ border-color:rgb(129, 117, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 117, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 117, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 117, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 117,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9897, 18.8198, 21.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 117, 123) }
```

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

```
.background{ background-color: rgb(129,  
117, 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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