

Converting Colors

XYZ(18.4108, 18.1476, 20.7805)

Have a look what the booklet for
XYZ(18.4108, 18.1476, 20.7805)
contains.

XYZ(18.4840, 18.2311, 20.6339)	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(18.4840, 18.2311,
20.6339)**

Conversions

Conversions Part 1

Format	Color
Hex	807379
RGB	128, 115, 121
RGB Percent	50%, 45%, 47%
CMY	0.4980, 0.5490, 0.5255
CMYK	0.00, 0.10, 0.05, 0.50
HSL	332°, 5%, 48%
HSV	332°, 10%, 50%
XYZ	18.4840, 18.2311, 20.6339
YIQ	119.5710, 5.8220, 4.6220

Conversions

Conversions Part 2

Format	Color
R_{YB}	128, 115, 121
Decimal	8418169
CIE Lab	49.78, 6.17, -1.47
CIE LCh	50, 6.342, 346.575
Yxy	18.2311, 0.3223, 0.3179
Android (android.graphics.Color)	4286608249 (0xFF807379)
YUV	119.5710, 0.7045, 7.3922
Hunter-Lab	42.6979, 2.5517, 1.2364

Details

The XYZ color **18.4840, 18.2311, 20.6339** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3029, 20.4888, 21.4034**, and the grayscale version is **17.7127, 18.6351, 20.2937**.

A 20% lighter version of the original color is **40.4176, 40.4783, 45.2180**, and **6.4342, 6.1576, 7.1527** is the 20% darker color. If you saturate the color by 10%, you get **16.7169, 15.3493, 18.0333**, and if you desaturate by 10%, it is **20.4850, 21.5320, 23.4620**.

Distribution



Red (50%)

Green (45%)

Blue (47%)



Red (50%)

Yellow (45%)

Blue (47%)



Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4840, 18.2311, 20.6339 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 18.4840, 18.2311, 20.6339 by changing the saturation by 10% instead.

■ 18.4840, 18.2311,
20.6339

■ 18.4840, 18.2311,
20.6339

236.5783,
242.1704, 268.0433

■ 11.3998, 11.1160,
12.6680

■ 40.3840, 40.4307,
45.3503

■ 6.4057, 6.1449,
7.0723

■ 55.9305, 56.2841,
62.9379

■ 3.1363, 2.9334,
3.4282

■ 75.0285, 75.8190,
84.5698

■ 1.2262, 1.0971,
1.3172

■ 98.0434, 99.4198,
110.6646

■ 0.1269, 0.0000,
0.0759

125.3404,
127.4710, 141.6408

■ 0.0000, 0.0000,
0.0000

157.2850,

160.3569, 177.9170

194.2425,
198.4619, 219.9116

■ 18.4840, 18.2311,
20.6339

■ 18.4840, 18.2311,
20.6339

■ 16.7169, 15.3493,
18.0333

■ 20.4850, 21.5320,
23.4620

■ 15.1733, 12.8673,
15.6529

■ 22.7269, 25.2655,
26.5223

■ 13.8442, 10.7679,
13.4868

■ 25.2181, 29.4474,
29.8207

■ 12.7192, 9.0317,
11.5283

■ 27.9663, 34.0920,
33.3625

■ 11.7874, 7.6377,
9.7701

■ 30.9788, 39.2131,
37.1530

■ 11.0365, 6.5623,
8.2048

■ 34.2625, 44.8238,
41.1973

■ 10.4527, 5.7795,
6.8240

■ 37.8242, 50.9366,
45.5000

■ 10.0201, 5.2587,
5.6185

■ 41.6704, 57.5638,
50.0661

■ 9.6933, 4.9057,
4.5827

■ 45.8074, 64.7170,
54.9001

Harmonies

Analogous

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



18.1865, 18.2311, 22.2290



18.4840, 18.2311, 20.6339



18.4667, 18.2311, 18.9156

Triad

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



18.4840, 18.2311, 20.6339



16.9985, 18.2311, 16.8266



16.5410, 18.2311, 22.3689

Complementary

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



18.4840, 18.2311, 20.6339



18.3029, 20.4888, 21.4034

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.



16.2373, 18.2311, 20.8158



18.4840, 18.2311, 20.6339



16.4972, 18.2311, 17.6481

Square

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



18.4840, 18.2311, 20.6339



17.5995, 18.2311, 16.7842



16.2214, 18.2311, 19.0873



17.0595, 18.2311, 23.2694

Rectangle

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



18.4840, 18.2311, 20.6339



18.2789, 18.2311, 17.9315



16.2214, 18.2311, 19.0873



16.4109, 18.2311, 21.9019

Sweetspot

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



18.4845, 18.2319, 20.6343



34.9969, 36.1390, 39.8152



18.0443, 17.9535, 22.9367



8.1319, 8.3589, 9.2349



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.



18.4845, 18.2319, 20.6343



31.8504, 30.9625, 35.3248



18.1775, 18.1883, 18.7732



4.4039, 4.3747, 4.9313



9.6122, 4.8646, 4.5476



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.4845, 18.2319, 20.6343



31.8504, 30.9625, 35.3248



18.6298, 20.5293, 23.4030



4.4039, 4.3747, 4.9313



9.6122, 4.8646, 4.5476



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.4840, 18.2311, 20.6339 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 18.4840, 18.2311, 20.6339 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 18.4840, 18.2311, 20.6339

Background



This preview shows how black text looks on a background with the XYZ color 18.4840, 18.2311, 20.6339.



This preview shows how white text looks on a background with the XYZ color 18.4840, 18.2311,

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

18.4840, 18.2311, 20.6339

Protanopia

17.6613, 18.3089, 21.3420

Deuteranopia

18.6352, 18.3091, 20.6410



Tritanopia

18.6709, 18.3059, 21.6181

Trichromacy



Original Color

18.4840, 18.2311, 20.6339

Protanomaly

17.9002, 18.2653, 20.9945

Deuteranomaly

18.6352, 18.3091, 20.6410

Tritanomaly

18.6080, 18.2807, 21.2867

Monochromacy



Original Color

18.4840, 18.2311, 20.6339

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0370, 18.5239, 20.3941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4840, 18.2311, 20.6339 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, 115, 121) looks like.

```
.text, #text, p{  
    color:rgb(128, 115, 121)  
}
```

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, 115, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 115, 121) }
```

Border

The CSS property to change the border of an element to XYZ 18.4840, 18.2311, 20.6339 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, 115, 121) }
```


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

```
.border{ border-color:rgb(128, 115, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 115, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 115, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 115, 121);  
box-shadow:4px 4px 4px 4px rgb(128, 115,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4840, 18.2311, 20.6339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 115, 121) }
```

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

```
.background{ background-color: rgb(128,  
115, 121) }
```

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