

Converting Colors

XYZ(13.4611, 15.8297, 19.1392)

Have a look what the booklet for
XYZ(13.4611, 15.8297, 19.1392)
contains.

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Color

**XYZ(13.4808, 15.8498,
19.1784)**

Conversions

Conversions Part 1

Format	Color
Hex	587475
RGB	88, 116, 117
RGB Percent	35%, 45%, 46%
CMY	0.6549, 0.5451, 0.5412
CMYK	0.25, 0.01, 0.00, 0.54
HSL	182°, 14%, 40%
HSV	182°, 25%, 46%
XYZ	13.4808, 15.8498, 19.1784
YIQ	107.7420, -17.0090, -5.6250

Conversions

Conversions Part 2

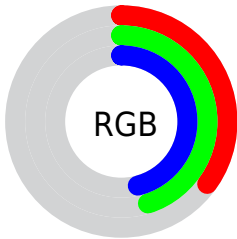
Format	Color
R_{YB}	88, 102, 117
Decimal	5796981
CIE _{Lab}	46.78, -9.84, -3.87
CIE _{LCh}	47, 10.573, 201.500
Yxy	15.8498, 0.2779, 0.3267
Android (android.graphics.Color)	4283987061 (0xFF587475)
YUV	107.7420, 4.5642, -17.3137
Hunter-Lab	39.8118, -9.2282, -0.6933

Details

The XYZ color **13.4808, 15.8498, 19.1784** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.6702, 11.6315, 10.8103**, and the grayscale version is **14.1731, 14.9112, 16.2383**.

A 20% lighter version of the original color is **31.8115, 36.3588, 42.8774**, and **4.0558, 5.0353, 6.3884** is the 20% darker color. If you saturate the color by 10%, you get **12.4148, 15.2318, 19.1156**, and if you desaturate by 10%, it is **14.7258, 16.5611, 19.2503**.

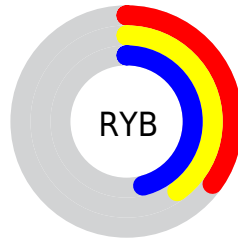
Distribution



Red (35%)

Green (45%)

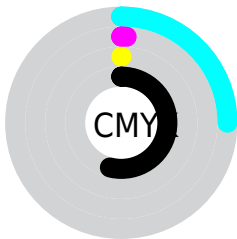
Blue (46%)



Red (35%)

Yellow (40%)

Blue (46%)

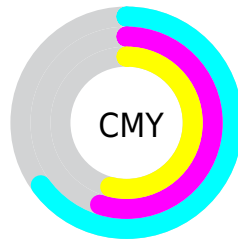


Cyan (25%)

Magenta (1%)

Yellow (0%)

Black (54%)



Cyan (65%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4808, 15.8498, 19.1784 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 13.4808, 15.8498, 19.1784 by changing the saturation by 10% instead.

■ 13.4808, 15.8498,
19.1784

■ 13.4808, 15.8498,
19.1784

207.5524,
228.4538, 259.8873

■ 7.8397, 9.4179,
11.6211

■ 31.7589, 36.3373,
42.8760

■ 4.0435, 5.0148,
6.3669

■ 45.1267, 51.1616,
59.8535

■ 1.7268, 2.2559,
2.9970

■ 61.8007, 69.5523,
80.8081

■ 0.4729, 0.7502,
1.0931

■ 82.1464, 91.8936,
106.1584

■ 0.0000, 0.0000,
0.0000

■ 106.5290,
118.5701, 136.3230

135.3140,

149.9660, 171.7203

168.8667,
186.4657, 212.7689

■ 13.4808, 15.8498,
19.1784

■ 13.4808, 15.8498,
19.1784

■ 12.4148, 15.2318,
19.1156

■ 14.7258, 16.5611,
19.2503

■ 11.5178, 14.7009,
19.0604

■ 16.1561, 17.3679,
19.3307

■ 10.7812, 14.2530,
19.0127

■ 17.7798, 18.2747,
19.4201

■ 10.1949, 13.8828,
18.9722

■ 19.6039, 19.2850,
19.5190

■ 9.7478, 13.5847,
18.9382

■ 21.6349, 20.4023,
19.6276

■ 9.4272, 13.3522,
18.9102

■ 23.8793, 21.6300,
19.7463

■ 9.2127, 13.1745,
18.8872

■ 26.3432, 22.9710,
19.8753

■ 9.1129, 13.0882,
18.8758

■ 29.0323, 24.4286,
20.0149

■ 31.9524, 26.0054,
20.1653

Harmonies

Analogous

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



13.3849, 15.8498, 16.5210



13.4808, 15.8498, 19.1784



13.9920, 15.8498, 21.5259

Triad

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



13.4808, 15.8498, 19.1784



16.4894, 15.8498, 20.6012



15.3273, 15.8498, 12.7237

Complementary

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



13.4808, 15.8498, 19.1784



12.6702, 11.6315, 10.8103

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.



16.1910, 15.8498, 13.5947



13.4808, 15.8498, 19.1784



16.8796, 15.8498, 18.0161

Square

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



13.4808, 15.8498, 19.1784



15.7213, 15.8498, 22.4037



16.7682, 15.8498, 15.4698



14.4268, 15.8498, 12.9671

Rectangle

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



13.4808, 15.8498, 19.1784



14.5114, 15.8498, 22.5116



16.7682, 15.8498, 15.4698



15.6320, 15.8498, 12.8924

Sweetspot

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



13.4813, 15.8504, 19.1788



28.2859, 30.7383, 34.5792



12.1879, 15.5183, 11.7973



6.4797, 7.0539, 7.9490



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.4813, 15.8504, 19.1788



22.9594, 27.7003, 34.2736



11.9414, 12.7707, 18.6655



3.7730, 4.1347, 4.6895



10.0379, 14.4155, 20.7960



48.7820, 69.9805, 101.2968

Inverse Universe

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



13.9786, 12.0228, 18.1075



24.0250, 19.5566, 31.9655



13.9947, 14.2804, 11.2518



3.8215, 3.7559, 4.5865



11.3638, 5.4792, 17.6558



55.3096, 26.6740, 85.6828

Previews

White Background



This preview shows how the XYZ color 13.4808, 15.8498, 19.1784 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 13.4808, 15.8498, 19.1784 looks on a black 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

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

XYZ 13.4808, 15.8498, 19.1784

Background



This preview shows how black text looks on a background with the XYZ color 13.4808, 15.8498, 19.1784.



This preview shows how white text looks on a background with the XYZ color 13.4808, 15.8498,

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

13.4808, 15.8498, 19.1784

Protanopia

15.2387, 15.7889, 17.8672

Deuteranopia

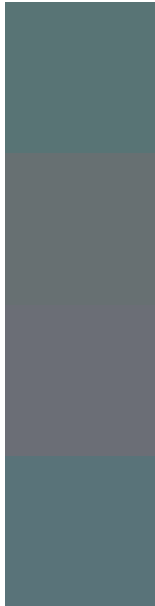
16.0587, 15.6989, 19.6366



Tritanopia

13.9853, 15.8904, 21.3988

Trichromacy



Original Color

13.4808, 15.8498, 19.1784

Protanomaly

14.4250, 15.6868, 18.1872

Deuteranomaly

14.9093, 15.5857, 19.3621

Tritanomaly

13.7017, 15.7658, 20.4101

Monochromacy



Original Color

13.4808, 15.8498, 19.1784

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9205, 15.2833, 17.2552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4808, 15.8498, 19.1784 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(88, 116, 117) looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 117)  
}
```

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(88, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.4808, 15.8498, 19.1784 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(88, 116, 117) }
```


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

```
.border{ border-color:rgb(88, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4808, 15.8498, 19.1784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 117) }
```

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

```
.background{ background-color: rgb(88, 116,  
117) }
```

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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