

Converting Colors

XYZ(13.4865, 19.0760, 17.9155)

Have a look what the booklet for
XYZ(13.4865, 19.0760, 17.9155)
contains.

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Color

**XYZ(13.5035, 19.0810,
18.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	42856F
RGB	66, 133, 111
RGB Percent	26%, 52%, 44%
CMY	0.7412, 0.4784, 0.5647
CMYK	0.50, 0.00, 0.17, 0.48
HSL	160°, 34%, 39%
HSV	160°, 50%, 52%
XYZ	13.5035, 19.0810, 18.0102
YIQ	110.4590, -32.8700, -21.0460

Conversions

Conversions Part 2

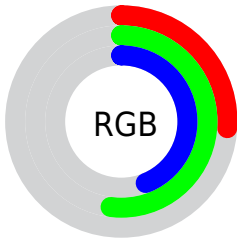
Format	Color
RYB	66, 106, 133
Decimal	4359535
CIELab	50.78, -26.95, 5.35
CIELCh	51, 27.480, 168.764
Yxy	19.0810, 0.2669, 0.3771
Android (android.graphics.Color)	4282549615 (0xFF42856F)
YUV	110.4590, 0.2667, -38.9905
Hunter-Lab	43.6818, -21.2629, 6.1317

Details

The XYZ color **13.5035, 19.0810, 18.0102** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3831, 9.5880, 10.3784**, and the grayscale version is **14.9594, 15.7385, 17.1392**.

A 20% lighter version of the original color is **31.9889, 42.1069, 41.0918**, and **4.0530, 6.5777, 5.7586** is the 20% darker color. If you saturate the color by 10%, you get **12.4750, 18.5784, 16.7375**, and if you desaturate by 10%, it is **14.7532, 19.6973, 19.3554**.

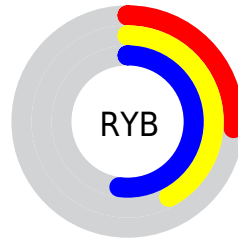
Distribution



Red (26%)

Green (52%)

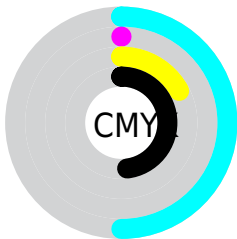
Blue (44%)



Red (26%)

Yellow (42%)

Blue (52%)

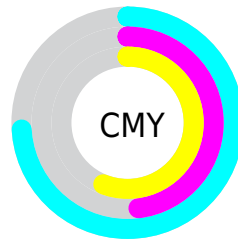


Cyan (50%)

Magenta (0%)

Yellow (17%)

Black (48%)



Cyan (74%)

Magenta (48%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5035, 19.0810, 18.0102 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 13.5035, 19.0810, 18.0102 by changing the saturation by 10% instead.

■ 13.5035, 19.0810,
18.0102

■ 13.5035, 19.0810,
18.0102

207.6928,
246.8956, 253.1666

■ 7.8555, 11.7288,
10.7878

■ 31.7991, 41.8709,
40.8689

■ 4.0537, 6.5593,
5.8120

■ 45.1775, 58.0775,
57.3422

■ 1.7325, 3.1881,
2.6641

■ 61.8633, 78.0042,
77.7363

■ 0.4765, 1.2307,
0.9253

■ 82.2221, 102.0357,
102.4697

■ 0.0000, 0.0866,
0.0000

■ 106.6190,
130.5561, 131.9608

■ 0.0000, 0.0000,
0.0000

135.4196,

163.9500, 166.6283

168.9891,
202.6017, 206.8907

■ 13.5035, 19.0810,
18.0102

■ 13.5035, 19.0810,
18.0102

■ 12.4750, 18.5784,
16.7375

■ 14.7532, 19.6973,
19.3554

■ 11.6513, 18.1795,
15.5346

■ 16.2360, 20.4318,
20.7734

■ 11.0163, 17.8766,
14.4001

■ 17.9647, 21.2918,
22.2660

■ 10.5503, 17.6596,
13.3323

■ 19.9508, 22.2830,
23.8345

■ 10.2049, 17.5025,
12.3640

■ 22.2049, 23.4109,
25.4802

■ 24.7370, 24.6807,
27.2045

■ 27.5569, 26.0974,
29.0084

■ 30.6735, 27.6656,
30.8933

■ 34.0955, 29.3897,
32.8602

Harmonies

Analogous

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



14.5036, 19.0810, 12.4323



13.5035, 19.0810, 18.0102



13.6490, 19.0810, 25.9378

Triad

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



13.5035, 19.0810, 18.0102



19.8586, 19.0810, 38.2836



21.7796, 19.0810, 11.4771

Complementary

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



13.5035, 19.0810, 18.0102



13.3831, 9.5880, 10.3784

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.



23.5119, 19.0810, 16.3488



13.5035, 19.0810, 18.0102



22.3290, 19.0810, 32.2048

Square

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



13.5035, 19.0810, 18.0102



17.1426, 19.0810, 39.0485



23.7224, 19.0810, 23.8113



19.1669, 19.0810, 9.3345

Rectangle

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



13.5035, 19.0810, 18.0102



14.3799, 19.0810, 31.5509



23.7224, 19.0810, 23.8113



22.4949, 19.0810, 12.7846

Sweetspot

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



13.5040, 19.0818, 18.0106



33.9018, 38.9914, 41.2693



13.4276, 19.2602, 8.1643



7.4963, 8.7138, 9.1850



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.5040, 19.0818, 18.0106



22.1777, 33.1902, 29.7540



13.4200, 16.7306, 24.7132



4.7383, 5.2536, 5.6331



9.7237, 16.6723, 11.7965



0.0371, 0.0591, 0.0586

Inverse Universe

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



13.3831, 9.5880, 10.3784



21.9471, 14.2204, 14.5584



13.3223, 10.7114, 6.5198



4.7310, 4.7121, 5.1956



9.6442, 4.9220, 2.6990



0.0365, 0.0183, 0.0257

Previews

White Background



This preview shows how the XYZ color 13.5035, 19.0810, 18.0102 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 13.5035, 19.0810, 18.0102 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 13.5035, 19.0810, 18.0102

Background



This preview shows how black text looks on a background with the XYZ color 13.5035, 19.0810, 18.0102.

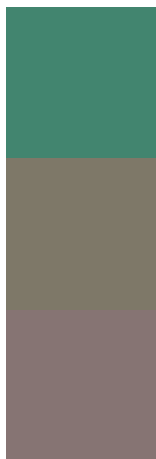


This preview shows how white text looks on a background with the XYZ color 13.5035, 19.0810,

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

13.5035, 19.0810, 18.0102

Protanopia

17.8193, 18.8680, 15.7994

Deuteranopia

19.1714, 18.7969, 18.8374



Tritanopia

15.3345, 19.0204, 27.2892

Trichromacy



Original Color

13.5035, 19.0810, 18.0102

Protanomaly

15.6964, 18.6718, 16.6867

Deuteranomaly

16.3035, 18.3852, 18.6090

Tritanomaly

14.5436, 18.8898, 23.6485

Monochromacy



Original Color

13.5035, 19.0810, 18.0102

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9090, 16.4623, 17.1963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5035, 19.0810, 18.0102 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(66, 133, 111)` looks like.

```
.text, #text, p{  
    color:rgb(66, 133, 111)  
}
```

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(66, 133, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 133, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.5035, 19.0810, 18.0102 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(66, 133, 111) }
```


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

```
.border{ border-color:rgb(66, 133, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 133, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 133, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 133, 111);  
box-shadow:4px 4px 4px 4px rgb(66, 133,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5035, 19.0810, 18.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 133, 111) }
```

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

```
.background{ background-color: rgb(66, 133,  
111) }
```

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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