

Converting Colors

XYZ(13.3280, 18.1122, 13.1630)

Have a look what the booklet for
XYZ(13.3280, 18.1122, 13.1630)
contains.

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Color

**XYZ(13.3511, 18.1135,
13.1485)**

Conversions

Conversions Part 1

Format	Color
Hex	54805D
RGB	84, 128, 93
RGB Percent	33%, 50%, 36%
CMY	0.6706, 0.4980, 0.6353
CMYK	0.34, 0.00, 0.27, 0.50
HSL	132°, 21%, 42%
HSV	132°, 34%, 50%
XYZ	13.3511, 18.1135, 13.1485
YIQ	110.8540, -14.9890, -20.2130

Conversions

Conversions Part 2

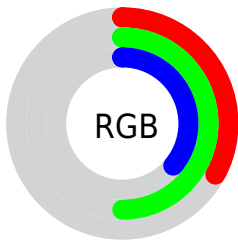
Format	Color
RYB	84, 121, 128
Decimal	5537885
CIELab	49.63, -22.99, 14.31
CIELCh	50, 27.077, 148.107
Yxy	18.1135, 0.2993, 0.4060
Android (android.graphics.Color)	4283727965 (0xFF54805D)
YUV	110.8540, -8.8020, -23.5510
Hunter-Lab	42.5600, -18.4843, 11.4749

Details

The XYZ color **13.3511, 18.1135, 13.1485** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4028, 12.2621, 19.0084**, and the grayscale version is **15.0953, 15.8814, 17.2949**.

A 20% lighter version of the original color is **31.4735, 40.1818, 32.0836**, and **3.9650, 6.0291, 3.6441** is the 20% darker color. If you saturate the color by 10%, you get **11.8871, 17.4080, 10.8806**, and if you desaturate by 10%, it is **15.0855, 18.9525, 15.7433**.

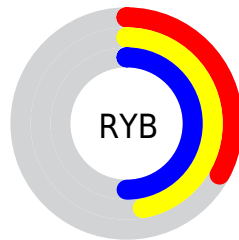
Distribution



Red (33%)

Green (50%)

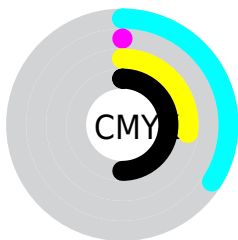
Blue (36%)



Red (33%)

Yellow (47%)

Blue (50%)

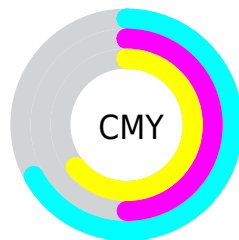


Cyan (34%)

Magenta (0%)

Yellow (27%)

Black (50%)



Cyan (67%)

Magenta (50%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3511, 18.1135, 13.1485 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 13.3511, 18.1135, 13.1485 by changing the saturation by 10% instead.

■ 13.3511, 18.1135,
13.1485

■ 13.3511, 18.1135,
13.1485

206.7482,
241.5100, 223.1083

■ 7.7494, 11.0315,
7.3990

■ 31.5291, 40.2306,
32.2654

■ 3.9855, 6.0880,
3.6306

■ 44.8361, 56.0346,
46.4698

■ 1.6939, 2.8987,
1.4250

■ 61.4423, 75.5146,
64.3297

■ 0.4525, 1.0791,
0.1611

■ 81.7130, 99.0551,
86.2634

■ 0.0000, 0.0000,
0.0000

■ 106.0136,
127.0405, 112.6896

134.7094,

159.8552, 144.0268

168.1658,
197.8836, 180.6935

■ 13.3511, 18.1135,
13.1485

■ 13.3511, 18.1135,
13.1485

■ 11.8871, 17.4080,
10.8806

■ 15.0855, 18.9525,
15.7433

■ 10.6784, 16.8269,
8.9256

■ 17.1017, 19.9290,
18.6761

■ 9.7104, 16.3635,
7.2699

■ 19.4120, 21.0498,
21.9589

■ 8.9663, 16.0095,
5.8988

■ 22.0279, 22.3204,
25.6026

■ 8.4276, 15.7556,
4.7960

■ 24.9599, 23.7461,
29.6178

■ 8.0691, 15.5893,
3.9438

■ 28.2181, 25.3318,
34.0148

■ 7.9080, 15.5145,
3.5658

■ 31.8124, 27.0824,
38.8030

■ 35.7519, 29.0026,
43.9921

■ 40.0455, 31.0965,
49.5910

Harmonies

Analogous

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



14.9909, 18.1135, 9.6850



13.3511, 18.1135, 13.1485



12.7333, 18.1135, 19.2586

Triad

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



13.3511, 18.1135, 13.1485



17.0536, 18.1135, 37.5256



21.9551, 18.1135, 13.7763

Complementary

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



13.3511, 18.1135, 13.1485



15.4028, 12.2621, 19.0084

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.



22.6446, 18.1135, 20.1938



13.3511, 18.1135, 13.1485



19.6518, 18.1135, 35.0312

Square

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



13.3511, 18.1135, 13.1485



14.7345, 18.1135, 34.3499



21.7637, 18.1135, 28.1877



19.9623, 18.1135, 9.9790

Rectangle

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



13.3511, 18.1135, 13.1485



12.9323, 18.1135, 24.4579



21.7637, 18.1135, 28.1877



22.3552, 18.1135, 15.6416

Sweetspot

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



13.3516, 18.1143, 13.1489



31.7311, 35.8732, 35.2010



16.9553, 20.0155, 11.3573



7.3186, 8.3453, 8.0840



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.



13.3516, 18.1143, 13.1489



21.5130, 30.9298, 20.0760



14.4589, 18.5572, 18.9799



4.3092, 4.8320, 4.7997



7.8415, 15.3832, 3.5380



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4028, 12.2621, 19.0084



25.6770, 19.0386, 31.9626



14.2399, 11.7970, 12.8850



4.4617, 4.3978, 5.2356



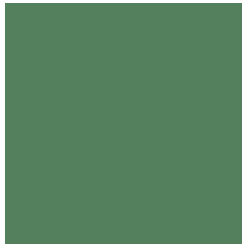
11.1966, 5.4983, 12.8912



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3511, 18.1135, 13.1485 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 13.3511, 18.1135, 13.1485 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 13.3511, 18.1135, 13.1485

Background



This preview shows how black text looks on a background with the XYZ color 13.3511, 18.1135, 13.1485.



This preview shows how white text looks on a background with the XYZ color 13.3511, 18.1135,

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

13.3511, 18.1135, 13.1485

Protanopia

16.7269, 17.8628, 11.7988

Deuteranopia

18.1698, 17.8890, 13.5616



Tritanopia

15.7302, 18.1347, 24.8616

Trichromacy



Original Color

13.3511, 18.1135, 13.1485

Protanomaly

15.2384, 17.7924, 12.3040

Deuteranomaly

15.8801, 17.5650, 13.3799

Tritanomaly

14.7235, 18.0991, 19.8570

Monochromacy



Original Color

13.3511, 18.1135, 13.1485

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2268, 16.4888, 15.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3511, 18.1135, 13.1485 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(84, 128, 93)` looks like.

```
.text, #text, p{  
    color:rgb(84, 128, 93)  
}
```

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(84, 128, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 128, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.3511, 18.1135, 13.1485 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(84, 128, 93) }
```


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

```
.border{ border-color:rgb(84, 128, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 128, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 128, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 128, 93);  
box-shadow:4px 4px 4px 4px rgb(84, 128,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3511, 18.1135, 13.1485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 128, 93) }
```

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

```
.background{ background-color: rgb(84, 128,  
93) }
```

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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