

Converting Colors

XYZ(13.2654, 18.0042, 11.7306)

Have a look what the booklet for
XYZ(13.2654, 18.0042, 11.7306)
contains.

XYZ(13.3700, 18.1527, 11.8160)	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(13.3700, 18.1527,
11.8160)**

Conversions

Conversions Part 1

Format	Color
Hex	578057
RGB	87, 128, 87
RGB Percent	34%, 50%, 34%
CMY	0.6588, 0.4980, 0.6588
CMYK	0.32, 0.00, 0.32, 0.50
HSL	120°, 19%, 42%
HSV	120°, 32%, 50%
XYZ	13.3700, 18.1527, 11.8160
YIQ	111.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

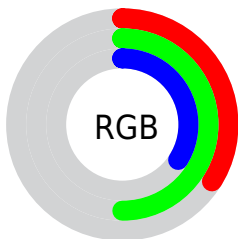
Format	Color
RYB	87, 128, 128
Decimal	5734487
CIELab	49.68, -23.07, 17.85
CIELCh	50, 29.167, 142.276
Yxy	18.1527, 0.3085, 0.4189
Android (android.graphics.Color)	4283924567 (0xFF578057)
YUV	111.0670, -11.8650, -21.1068
Hunter-Lab	42.6060, -18.5462, 13.3812

Details

The XYZ color **13.3700, 18.1527, 11.8160** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2072, 12.9646, 22.0711**, and the grayscale version is **15.1650, 15.9548, 17.3747**.

A 20% lighter version of the original color is **31.5205, 40.2572, 29.7760**, and **3.9613, 6.0402, 3.0549** is the 20% darker color. If you saturate the color by 10%, you get **11.8019, 17.4000, 9.2507**, and if you desaturate by 10%, it is **15.2438, 19.0533, 14.8805**.

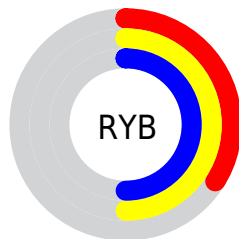
Distribution



Red (34%)

Green (50%)

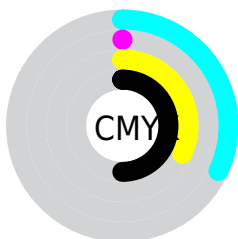
Blue (34%)



Red (34%)

Yellow (50%)

Blue (50%)

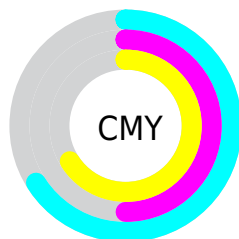


Cyan (32%)

Magenta (0%)

Yellow (32%)

Black (50%)



Cyan (66%)

Magenta (50%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3700, 18.1527, 11.8160 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 13.3700, 18.1527, 11.8160 by changing the saturation by 10% instead.

■ 13.3700, 18.1527,
11.8160

■ 13.3700, 18.1527,
11.8160

206.8655,
241.7303, 214.1178

■ 7.7626, 11.0597,
6.4975

■ 31.5626, 40.2974,
29.8189

■ 3.9939, 6.1070,
3.0762

■ 44.8785, 56.1178,
43.3404

■ 1.6987, 2.9102,
1.1337

■ 61.4946, 75.6161,
60.4333

■ 0.4555, 1.0851,
0.0000

■ 81.7763, 99.1767,
81.5161

■ 0.0000, 0.0000,
0.0000

■ 106.0888,
127.1841, 107.0075

134.7977,

160.0225, 137.3258

168.2681,
198.0765, 172.8898

■ 13.3700, 18.1527,
11.8160

■ 13.3700, 18.1527,
11.8160

■ 11.8019, 17.4000,
9.2507

■ 15.2438, 19.0533,
14.8805

■ 10.5219, 16.7852,
7.1570

■ 17.4367, 20.1067,
18.4675

■ 9.5129, 16.3005,
5.5067

■ 19.9632, 21.3203,
22.6000

■ 8.7555, 15.9367,
4.2678

■ 22.8364, 22.7004,
27.2996

■ 8.2275, 15.6830,
3.4041

■ 26.0686, 24.2530,
32.5866

■ 7.9031, 15.5272,
2.8734

■ 29.6717, 25.9838,
38.4801

■ 7.7195, 15.4390,
2.5732

■ 33.6570, 27.8981,
44.9987

■ 38.0351, 30.0012,
52.1600

■ 42.8165, 32.2979,
59.9809

Harmonies

Analogous

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



15.3100, 18.1527, 8.7334



13.3700, 18.1527, 11.8160



12.4904, 18.1527, 17.7829

Triad

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



13.3700, 18.1527, 11.8160



16.5468, 18.1527, 39.0902



22.6737, 18.1527, 14.5227

Complementary

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



13.3700, 18.1527, 11.8160



16.2072, 12.9646, 22.0711

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.



23.0957, 18.1527, 21.8896



13.3700, 18.1527, 11.8160



19.3550, 18.1527, 37.5337

Square

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



13.3700, 18.1527, 11.8160



14.1921, 18.1527, 34.4733



21.8246, 18.1527, 30.6596



20.7264, 18.1527, 9.9791

Rectangle

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



13.3700, 18.1527, 11.8160



12.5498, 18.1527, 23.1936



21.8246, 18.1527, 30.6596



23.0065, 18.1527, 16.6925

Sweetspot

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



13.3705, 18.1535, 11.8164



31.4560, 35.7632, 33.7522



18.3423, 20.7166, 12.0490



7.2478, 8.3170, 7.7111



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.



13.3705, 18.1535, 11.8164



21.5938, 31.0259, 17.6208



14.3304, 18.5375, 16.8716



4.2760, 4.8187, 4.6249



7.6541, 15.3082, 2.5514



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2072, 12.9646, 22.0711



27.3604, 20.4778, 38.4667



14.9911, 12.4781, 15.6672



4.4982, 4.4124, 5.4279



12.6905, 6.0959, 20.7575



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3700, 18.1527, 11.8160 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 13.3700, 18.1527, 11.8160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

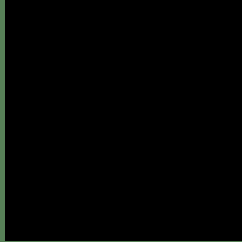
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3700, 18.1527, 11.8160

Background



This preview shows how black text looks on a background with the XYZ color 13.3700, 18.1527, 11.8160.



This preview shows how white text looks on a background with the XYZ color 13.3700, 18.1527,

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

13.3700, 18.1527, 11.8160

Protanopia

16.7922, 18.0934, 10.7910

Deuteranopia

18.2318, 17.9517, 12.1770



Tritanopia

15.8437, 18.0179, 24.4725

Trichromacy



Original Color

13.3700, 18.1527, 11.8160

Protanomaly

15.2419, 18.0039, 11.0593

Deuteranomaly

15.8894, 17.6001, 12.0109

Tritanomaly

14.7737, 17.9516, 19.2093

Monochromacy



Original Color

13.3700, 18.1527, 11.8160

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2391, 16.5067, 15.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3700, 18.1527, 11.8160 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(87, 128, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 87)  
}
```

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(87, 128, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 87) }
```

Border

The CSS property to change the border of an element to XYZ 13.3700, 18.1527, 11.8160 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(87, 128, 87) }
```


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

```
.border{ border-color:rgb(87, 128, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 128, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3700, 18.1527, 11.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 87) }
```

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

```
.background{ background-color: rgb(87, 128,  
87) }
```

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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