

# Converting Colors

XYZ(11.2242, 13.6351, 11.3888)

Have a look what the booklet for  
XYZ(11.2242, 13.6351, 11.3888)  
contains.

<b>XYZ(11.2963, 13.7333, 11.5066)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(11.2963, 13.7333,  
11.5066)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	586D59
RGB	88, 109, 89
RGB Percent	35%, 43%, 35%
CMY	0.6549, 0.5725, 0.6510
CMYK	0.19, 0.00, 0.18, 0.57
HSL	123°, 11%, 39%
HSV	123°, 19%, 43%
XYZ	11.2963, 13.7333, 11.5066
YIQ	100.4410, -6.0960, -10.6720

# Conversions

## Conversions Part 2

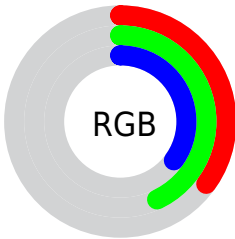
Format	Color
<b>R<sub>YB</sub></b>	88, 108, 109
Decimal	5795161
CIE Lab	43.85, -12.13, 8.63
CIE LCh	44, 14.890, 144.582
Yxy	13.7333, 0.3092, 0.3759
Android (android.graphics.Color)	4283985241 (0xFF586D59)
YUV	100.4410, -5.6404, -10.9108
Hunter-Lab	37.0585, -10.4413, 7.5315

# Details

The XYZ color **11.2963, 13.7333, 11.5066** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5036, 11.3136, 15.7127**, and the grayscale version is **12.2413, 12.8788, 14.0250**.

A 20% lighter version of the original color is **27.8863, 32.7571, 29.2791**, and **3.0596, 4.0041, 2.8971** is the 20% darker color. If you saturate the color by 10%, you get **9.9351, 13.0788, 9.3257**, and if you desaturate by 10%, it is **12.8741, 14.4931, 14.0192**.

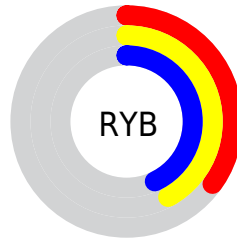
# Distribution



Red (35%)

Green (43%)

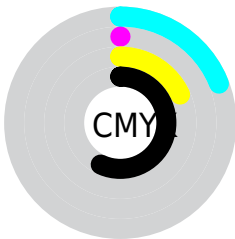
Blue (35%)



Red (35%)

Yellow (42%)

Blue (43%)

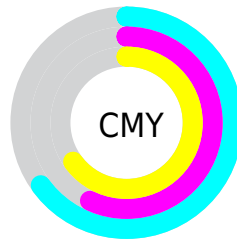


Cyan (19%)

Magenta (0%)

Yellow (18%)

Black (57%)



Cyan (65%)

Magenta (57%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2963, 13.7333, 11.5066 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 11.2963, 13.7333, 11.5066 by changing the saturation by 10% instead.



■ 11.2963, 13.7333,  
11.5066

■ 11.2963, 13.7333,  
11.5066

193.5558,  
215.5653, 211.9716

■ 6.3353, 7.9354,  
6.2902

■ 27.8349, 32.6151,  
29.2441

■ 3.0926, 4.0536,  
2.9507

■ 40.1432, 46.4677,  
42.6022

■ 1.2029, 1.7036,  
1.0695

■ 55.6312, 63.7741,  
59.5114

■ 0.1087, 0.4260,  
0.0000

■ 74.6645, 84.9185,  
80.3902

■ 0.0000, 0.0000,  
0.0000

■ 97.6082, 110.2855,  
105.6570

124.8277,

140.2593, 135.7305

156.6885,  
175.2245, 171.0292

■ 11.2963, 13.7333,  
11.5066

■ 11.2963, 13.7333,  
11.5066

■ 9.9351, 13.0788,  
9.3257

■ 12.8741, 14.4931,  
14.0192

■ 8.7799, 12.5234,  
7.4617

■ 14.6761, 15.3607,  
16.8756

■ 7.8211, 12.0626,  
5.9002

■ 16.7111, 16.3408,  
20.0883

■ 7.0476, 11.6913,  
4.6253

■ 18.9870, 17.4372,  
23.6691

■ 6.4477, 11.4037,  
3.6195

■ 21.5112, 18.6534,  
27.6291

■ 6.0077, 11.1932,  
2.8636

■ 24.2910, 19.9930,  
31.9790

■ 5.7124, 11.0523,  
2.3357

■ 27.3333, 21.4594,  
36.7290

■ 5.5115, 10.9561,  
1.9952

■ 30.6446, 23.0557,  
41.8890

■ 5.4974, 10.9493,  
1.9728

■ 34.2315, 24.7850,  
47.4685

# Harmonies

## Analogous

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



12.1352, 13.7333, 9.8051



11.2963, 13.7333, 11.5066



10.9297, 13.7333, 14.3503

# Triad

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



11.2963, 13.7333, 11.5066



12.8408, 13.7333, 22.3680



15.2184, 13.7333, 12.4187

# Complementary

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



11.2963, 13.7333, 11.5066



12.5036, 11.3136, 15.7127

# 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.



15.4352, 13.7333, 15.5728



11.2963, 13.7333, 11.5066



14.0162, 13.7333, 21.6463

# Square

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



11.2963, 13.7333, 11.5066



11.7865, 13.7333, 20.8736



14.9832, 13.7333, 19.0274



14.4074, 13.7333, 10.2737



# Rectangle

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



11.2963, 13.7333, 11.5066



10.9855, 13.7333, 16.6430



14.9832, 13.7333, 19.0274



15.3651, 13.7333, 13.3819

# Sweetspot

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



11.2967, 13.7339, 11.5069



24.0089, 26.4115, 26.6216



13.4516, 14.8496, 11.3898



5.5551, 6.1307, 6.1443



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395



# Same Dimension

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



11.2967, 13.7339, 11.5069



19.1154, 24.0563, 18.8256



11.7552, 13.9173, 13.9217



3.0693, 3.4469, 3.3488



6.4269, 12.8049, 2.2934



32.6563, 65.2096, 11.2027



# Inverse Universe

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



12.5036, 11.3136, 15.7127



21.6895, 18.8943, 27.7949



11.9920, 11.1090, 13.0184



3.2116, 3.1615, 3.8448



10.2850, 4.9661, 15.6614

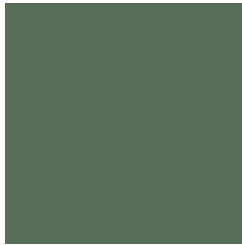


52.3138, 25.2675, 79.3121



# Previews

## White Background



This preview shows how the XYZ color 11.2963, 13.7333, 11.5066 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 11.2963, 13.7333, 11.5066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

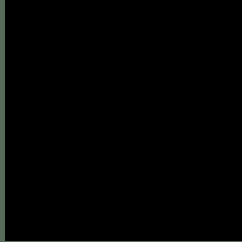
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 11.2963, 13.7333, 11.5066

## Background



This preview shows how black text looks on a background with the XYZ color 11.2963, 13.7333, 11.5066.



This preview shows how white text looks on a background with the XYZ color 11.2963, 13.7333,



# 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

11.2963, 13.7333, 11.5066

### Protanopia

12.8366, 13.6236, 10.7572

### Deuteranopia

13.9167, 13.7212, 11.8125



## Tritanopia

12.6049, 13.7983, 17.9186

# Trichromacy



## Original Color

11.2963, 13.7333, 11.5066

## Protanomaly

12.1387, 13.5580, 10.9940

## Deuteranomaly

12.7591, 13.5645, 11.6186

## Tritanomaly

12.1219, 13.7595, 15.3816

# Monochromacy



## Original Color

11.2963, 13.7333, 11.5066

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

11.7854, 13.0318, 12.9606

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 11.2963, 13.7333, 11.5066 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, 109, 89) looks like.

```
.text, #text, p{  
    color:rgb(88, 109, 89)  
}
```

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, 109, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 109, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 11.2963, 13.7333, 11.5066 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, 109, 89) }
```



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

```
.border{ border-color:rgb(88, 109, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 109, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 109, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 109, 89);  
box-shadow:4px 4px 4px 4px rgb(88, 109,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 11.2963, 13.7333, 11.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 109, 89) }
```

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

```
.background{ background-color: rgb(88, 109,  
89) }
```

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