

# Converting Colors

XYZ(25.0812, 33.1379, 11.7080)

Have a look what the booklet for  
XYZ(25.0812, 33.1379, 11.7080)  
contains.

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# Color

**XYZ(25.0596, 33.0147,  
11.7083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88A64B
RGB	136, 166, 75
RGB Percent	53%, 65%, 29%
CMY	0.4667, 0.3490, 0.7059
CMYK	0.18, 0.00, 0.55, 0.35
HSL	80°, 38%, 47%
HSV	80°, 55%, 65%
XYZ	25.0596, 33.0147, 11.7083
YIQ	146.6560, 11.3310, -34.6610

# Conversions

## Conversions Part 2

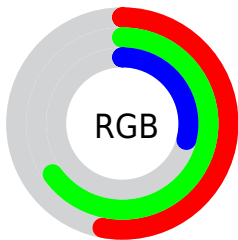
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 166, 105
Decimal	8955467
CIELab	64.17, -24.96, 43.12
CIELCh	64, 49.825, 120.062
Yxy	33.0147, 0.3591, 0.4731
Android (android.graphics.Color)	4287145547 (0xFF88A64B)
YUV	146.6560, -35.3264, -9.3453
Hunter-Lab	57.4584, -22.7022, 28.1394

# Details

The XYZ color **25.0596, 33.0147, 11.7083** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.2260, 10.7895, 37.3584**, and the grayscale version is **27.7298, 29.1739, 31.7704**.

A 20% lighter version of the original color is **51.1082, 64.2956, 29.4553**, and **9.8383, 13.9854, 3.0451** is the 20% darker color. If you saturate the color by 10%, you get **23.6979, 32.3711, 9.0561**, and if you desaturate by 10%, it is **26.6166, 33.7440, 15.1448**.

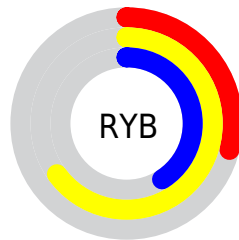
# Distribution



Red (53%)

Green (65%)

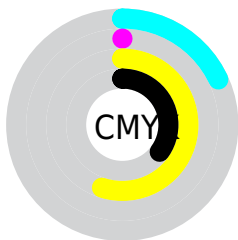
Blue (29%)



Red (29%)

Yellow (65%)

Blue (41%)

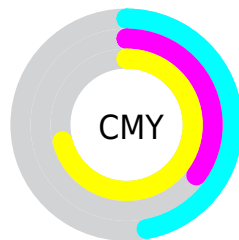


Cyan (18%)

Magenta (0%)

Yellow (55%)

Black (35%)



Cyan (47%)

Magenta (35%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0596, 33.0147, 11.7083 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 25.0596, 33.0147, 11.7083 by changing the saturation by 10% instead.





 25.0596, 33.0147,  
11.7083

 25.0596, 33.0147,  
11.7083

270.4768,  
315.7160, 213.3734


 16.2504, 22.1377,  
6.4253


 51.1961, 64.3985,  
29.6191


 9.7935, 13.9581,  
3.0324


 69.2541, 85.6741,  
43.0840


 5.3235, 8.0915,  
1.1112


 91.1258, 111.1846,  
60.1132

 2.4750, 4.1536,  
0.0000

 117.1766,  
141.3145, 81.1253

 0.8827, 1.7598,  
0.0000

 147.7717,  
176.4483, 106.5388

 0.0000, 0.4620,  
0.0000

183.2765,

 0.0000, 0.0000,

216.9701, 136.7723

0.0000

224.0564,  
263.2646, 172.2443

■ 25.0596, 33.0147,  
11.7083

■ 25.0596, 33.0147,  
11.7083

■ 23.6979, 32.3711,  
9.0561

■ 26.6166, 33.7440,  
15.1448

■ 22.5166, 31.8036,  
7.1239

■ 28.3776, 34.5590,  
19.4191

■ 21.5022, 31.3081,  
5.8409

■ 30.3537, 35.4655,  
24.5821

■ 20.6374, 30.8773,  
5.1192

■ 32.5544, 36.4673,  
30.6804

■ 20.2267, 30.6710,  
4.8540

■ 34.9883, 37.5679,  
37.7571

■ 37.6639, 38.7708,  
45.8527

■ 40.5889, 40.0792,  
55.0056

■ 43.7709, 41.4961,  
65.2518

■ 47.2169, 43.0244,  
76.6261

# Harmonies

## Analogous

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



31.3649, 33.0147, 9.4034



25.0596, 33.0147, 11.7083



21.0260, 33.0147, 19.8281

# Triad

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



25.0596, 33.0147, 11.7083



25.0813, 33.0147, 81.2496



47.0035, 33.0147, 35.9056

# Complementary

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



25.0596, 33.0147, 11.7083



15.2260, 10.7895, 37.3584

# 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.



44.6721, 33.0147, 59.0464



25.0596, 33.0147, 11.7083



31.3941, 33.0147, 90.5145

# Square

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



25.0596, 33.0147, 11.7083



21.0372, 33.0147, 59.1471



38.6815, 33.0147, 81.1777



44.6536, 33.0147, 19.7795



# Rectangle

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



25.0596, 33.0147, 11.7083



19.8190, 33.0147, 29.6472



38.6815, 33.0147, 81.1777



46.7374, 33.0147, 43.0823

# Sweetspot

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



25.0604, 33.0162, 11.7090



58.4632, 65.9013, 53.9328



21.9290, 18.4798, 9.0682



12.9021, 14.6653, 11.5615



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



25.0604, 33.0162, 11.7090



42.4619, 58.4870, 15.4760



19.2894, 30.0411, 11.4389



7.9029, 8.6480, 8.0420



15.7347, 23.8088, 3.7662



0.4334, 0.6053, 0.0940



# Inverse Universe

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



15.2260, 10.7895, 37.3584



22.7861, 13.9086, 66.9590



21.8525, 14.2056, 37.6685



7.3561, 7.4162, 9.4621



6.5926, 2.7821, 28.1650



0.2141, 0.0953, 0.6878



# Previews

## White Background



This preview shows how the XYZ color 25.0596, 33.0147, 11.7083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.0596, 33.0147, 11.7083 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 ✓ Pass

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

**XYZ 25.0596, 33.0147, 11.7083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0596, 33.0147, 11.7083.



This preview shows how white text looks on a background with the XYZ color 25.0596, 33.0147,



# 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

25.0596, 33.0147, 11.7083

### Protanopia

29.9043, 32.6812, 10.8629

### Deuteranopia

33.5237, 32.8354, 12.1604



## Tritanopia

31.1691, 32.9000, 41.7533

# Trichromacy



## Original Color

25.0596, 33.0147, 11.7083

## Protanomaly

27.8988, 32.6482, 11.1346

## Deuteranomaly

29.8911, 32.6507, 11.9345

## Tritanomaly

28.3755, 32.7921, 27.3882

# Monochromacy



## Original Color

25.0596, 33.0147, 11.7083

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

26.3345, 30.3313, 22.5557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0596, 33.0147, 11.7083 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(136, 166, 75)` looks like.

```
.text, #text, p{  
    color:rgb(136, 166, 75)  
}
```

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(136, 166, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 166, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0596, 33.0147, 11.7083 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(136, 166, 75) }
```



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

```
.border{ border-color:rgb(136, 166, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 166, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 166, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 166, 75);  
box-shadow:4px 4px 4px 4px rgb(136, 166,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0596, 33.0147, 11.7083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 166, 75) }
```

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

```
.background{ background-color: rgb(136,  
166, 75) }
```

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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