

# Converting Colors

XYZ(28.9410, 38.7234, 25.0837)

Have a look what the booklet for  
XYZ(28.9410, 38.7234, 25.0837)  
contains.

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# Color

**XYZ(28.8614, 38.6869,  
25.0150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B47C
RGB	128, 180, 124
RGB Percent	50%, 71%, 49%
CMY	0.4980, 0.2941, 0.5137
CMYK	0.29, 0.00, 0.31, 0.29
HSL	116°, 27%, 60%
HSV	116°, 31%, 71%
XYZ	28.8614, 38.6869, 25.0150
YIQ	158.0680, -13.0160, -28.4400

# Conversions

## Conversions Part 2

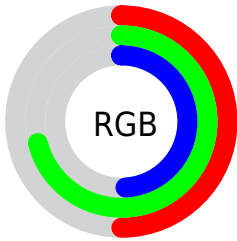
Format	Color
<a href="#">RYB</a>	<a href="#">124, 180, 176</a>
Decimal	<a href="#">8434812</a>
CIELab	<a href="#">68.52, -28.26, 23.24</a>
CIElCh	<a href="#">69, 36.585, 140.567</a>
Yxy	<a href="#">38.6869, 0.3118, 0.4180</a>
Android (android.graphics.Color)	<a href="#">4286624892</a> ( <a href="#">0xFF80B47C</a> )
YUV	<a href="#">158.0680, -16.7955, -26.3696</a>
Hunter-Lab	<a href="#">62.1988, -26.0206, 19.6940</a>

# Details

The XYZ color **28.8614, 38.6869, 25.0150** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.3521, 26.9419, 46.6245**, and the grayscale version is **32.6091, 34.3073, 37.3606**.

A 20% lighter version of the original color is **57.2227, 73.1103, 52.6907**, and **11.9199, 17.2645, 9.3607** is the 20% darker color. If you saturate the color by 10%, you get **25.5151, 37.0827, 19.4490**, and if you desaturate by 10%, it is **32.8317, 40.5910, 31.6965**.

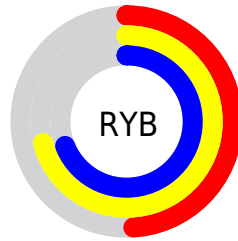
# Distribution



Red (50%)

Green (71%)

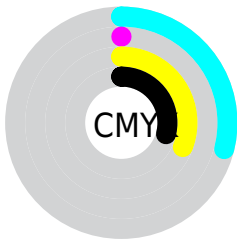
Blue (49%)



Red (49%)

Yellow (71%)

Blue (69%)

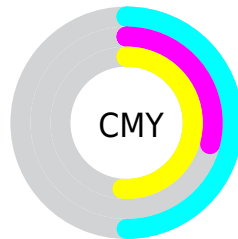


Cyan (29%)

Magenta (0%)

Yellow (31%)

Black (29%)



Cyan (50%)

Magenta (29%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8614, 38.6869, 25.0150 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 28.8614, 38.6869, 25.0150 by changing the saturation by 10% instead.





 28.8614, 38.6869,  
25.0150


 28.8614, 38.6869,  
25.0150


288.5665,  
340.5575, 291.3627


 19.1198, 26.5162,  
15.8691


 57.2559, 73.1598,  
52.6460

 11.8614, 17.2102,  
9.2782


 76.6394, 96.2308,  
71.9681

 6.7209, 10.3845,  
4.8238


 99.9677, 123.7040,  
95.5195

 3.3329, 5.6546,  
2.0873

127.6059,  
155.9639, 123.7185

 1.3322, 2.6362,  
0.6082

159.9196,  
193.3947, 156.9839

 0.2071, 0.9449,  
0.0000

197.2740,

 0.0000, 0.0000,

236.3810, 195.7340

0.0000

240.0345,  
285.3072, 240.3874

■ 28.8614, 38.6869,  
25.0150

■ 28.8614, 38.6869,  
25.0150

■ 25.5151, 37.0827,  
19.4490

■ 32.8317, 40.5910,  
31.6965

■ 22.7583, 35.7586,  
14.9354

■ 37.4523, 42.8041,  
39.5470

■ 20.5576, 34.6998,  
11.4087


■ 42.7518, 45.3407,  
48.6195


■ 18.8750, 33.8885,  
8.7952


■ 48.7560, 48.2133,  
58.9630


■ 17.6678, 33.3044,  
7.0106


■ 55.4894, 51.4334,  
70.6239

 16.8865, 32.9242,  
5.9552

 62.9755, 55.0121,  
83.6463

 16.4858, 32.7285,  
5.4483

 71.2364, 58.9600,  
98.0721

 75.6120, 61.1240,  
102.4207

# Harmonies

## Analogous

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



33.0150, 38.6869, 18.8552



28.8614, 38.6869, 25.0150



26.8899, 38.6869, 37.1348

# Triad

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



28.8614, 38.6869, 25.0150



34.9849, 38.6869, 81.8094



48.1477, 38.6869, 31.9326

# Complementary

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



28.8614, 38.6869, 25.0150



33.3521, 26.9419, 46.6245

# 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.



48.8165, 38.6869, 47.5400



28.8614, 38.6869, 25.0150



40.8011, 38.6869, 79.3547

# Square

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



28.8614, 38.6869, 25.0150



30.1739, 38.6869, 71.6847



46.0072, 38.6869, 65.6584



44.2652, 38.6869, 22.0644



# Rectangle

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



28.8614, 38.6869, 25.0150



26.9208, 38.6869, 48.2131



46.0072, 38.6869, 65.6584



48.7706, 38.6869, 36.5695

# Sweetspot

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



28.8624, 38.6885, 25.0159



69.6884, 78.4628, 74.7466



37.8571, 41.9503, 25.1714



14.7784, 16.8227, 15.6709



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



28.8624, 38.6885, 25.0159



48.2489, 68.1892, 38.5521



29.9273, 39.0464, 33.7016



8.4433, 9.5181, 9.0447



11.5282, 22.8531, 3.8035



0.3812, 0.7286, 0.1205



# Inverse Universe

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



33.3521, 26.9419, 46.6245



57.6185, 43.6514, 83.6833



32.0888, 26.5426, 35.1826



8.7890, 8.6152, 10.7060



16.9180, 8.0574, 30.8005



0.5500, 0.2626, 0.9699



# Previews

## White Background



This preview shows how the XYZ color 28.8614, 38.6869, 25.0150 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 28.8614, 38.6869, 25.0150 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 28.8614, 38.6869, 25.0150**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.8614, 38.6869, 25.0150.



This preview shows how white text looks on a background with the XYZ color 28.8614, 38.6869,



# 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

28.8614, 38.6869, 25.0150

### Protanopia

35.4966, 38.1641, 22.6351

### Deuteranopia

38.9728, 38.3022, 25.7611



## Tritanopia

34.2629, 38.5392, 52.0873

# Trichromacy



## Original Color

28.8614, 38.6869, 25.0150

## Protanomaly

32.4503, 37.9555, 23.3851

## Deuteranomaly

34.4441, 37.8277, 25.5647

## Tritanomaly

31.9325, 38.4552, 40.3899

# Monochromacy



## Original Color

28.8614, 38.6869, 25.0150

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

30.8571, 35.5508, 32.4298

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.8614, 38.6869, 25.0150 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(128, 180, 124)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 124)  
}
```

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(128, 180, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 28.8614, 38.6869, 25.0150 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(128, 180, 124) }
```



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

```
.border{ border-color:rgb(128, 180, 124) }
```

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

Here you see how a box with a 4 pixel rgb(128, 180, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 124);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.8614, 38.6869, 25.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 124) }
```

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

```
.background{ background-color: rgb(128,  
180, 124) }
```

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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