

# Converting Colors

XYZ(30.4217, 38.5295, 28.6917)

Have a look what the booklet for  
XYZ(30.4217, 38.5295, 28.6917)  
contains.

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# Color

**XYZ(30.4118, 38.5119,  
28.7523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89B187
RGB	137, 177, 135
RGB Percent	54%, 69%, 53%
CMY	0.4627, 0.3059, 0.4706
CMYK	0.23, 0.00, 0.24, 0.31
HSL	117°, 21%, 61%
HSV	117°, 24%, 69%
XYZ	30.4118, 38.5119, 28.7523
YIQ	160.2520, -10.3580, -21.5420

# Conversions

## Conversions Part 2

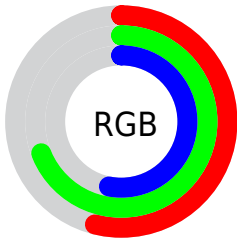
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 177, 175</a>
Decimal	<a href="#">9023879</a>
CIELab	<a href="#">68.40, -21.79, 17.20</a>
CIELCh	<a href="#">68, 27.763, 141.721</a>
Yxy	<a href="#">38.5119, 0.3114, 0.3943</a>
Android (android.graphics.Color)	<a href="#">4287213959 (0xFF89B187)</a>
YUV	<a href="#">160.2520, -12.4492, -20.3920</a>
Hunter-Lab	<a href="#">62.0580, -21.1266, 15.9707</a>

# Details

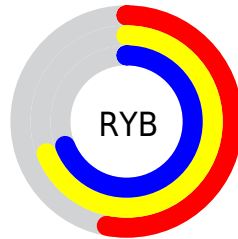
The XYZ color **30.4118, 38.5119, 28.7523** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.2806, 29.6173, 45.5069**, and the grayscale version is **33.5898, 35.3390, 38.4842**.

A 20% lighter version of the original color is **59.7019, 72.9850, 58.5179**, and **12.6851, 17.0496, 11.2167** is the 20% darker color. If you saturate the color by 10%, you get **26.7171, 36.7405, 22.6061**, and if you desaturate by 10%, it is **34.7476, 40.5920, 36.0117**.

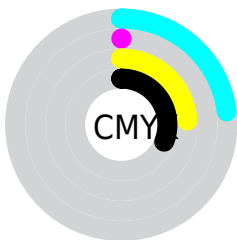
# Distribution



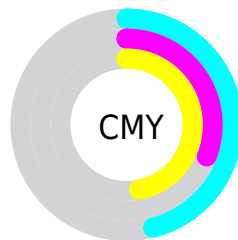
- Red (54%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)




- Cyan (46%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4118, 38.5119, 28.7523 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 30.4118, 38.5119, 28.7523 by changing the saturation by 10% instead.





 30.4118, 38.5119,  
28.7523


 30.4118, 38.5119,  
28.7523


295.6948,  
339.8108, 310.0687


 20.3010, 26.3802,  
18.6496


 59.6950, 72.8921,  
58.7208

 12.7236, 17.1083,  
11.2431


 79.5981, 95.9094,  
79.4236

 7.3141, 10.3117,  
6.1144


 103.4959,  
123.3240, 104.4969

 3.7074, 5.6061,  
2.8448

131.7540,  
155.5203, 134.3591

 1.5380, 2.6071,  
1.0160

164.7375,  
192.8828, 169.4289

 0.3515, 0.9302,  
0.0000


202.8119,


 0.0000, 0.0000,


235.7958, 210.1247


0.0000


246.3425,  
284.6436, 256.8651


 30.4118, 38.5119,  
28.7523


 30.4118, 38.5119,  
28.7523


 26.7171, 36.7405,  
22.6061

 34.7476, 40.5920,  
36.0117


 23.6301, 35.2586,  
17.5157


 39.7496, 42.9895,  
44.4328


 21.1193, 34.0522,  
13.4224


 45.4454, 45.7185,  
54.0643


 19.1488, 33.1044,  
10.2609


 51.8601, 48.7910,  
64.9514


 17.6790, 32.3961,  
7.9580


 59.0174, 52.2185,  
77.1370

 16.6646, 31.9060,  
6.4296

 66.9402, 56.0117,  
90.6620

 16.0523, 31.6086,  
5.5746

 75.0129, 59.9258,  
102.2210

 15.8284, 31.5002,  
5.2459

# Harmonies

## Analogous

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



33.5896, 38.5119, 23.3541



30.4118, 38.5119, 28.7523



28.9216, 38.5119, 38.5709

# Triad

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



30.4118, 38.5119, 28.7523



35.4109, 38.5119, 70.4511



44.9551, 38.5119, 33.6626

# Complementary

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



30.4118, 38.5119, 28.7523



34.2806, 29.6173, 45.5069

# 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.



45.5399, 38.5119, 45.4848



30.4118, 38.5119, 28.7523



39.7944, 38.5119, 68.4160

# Square

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



30.4118, 38.5119, 28.7523



31.6542, 38.5119, 63.7372



43.5853, 38.5119, 58.6284



42.0455, 38.5119, 25.7726



# Rectangle

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



30.4118, 38.5119, 28.7523



28.9964, 38.5119, 47.0002



43.5853, 38.5119, 58.6284



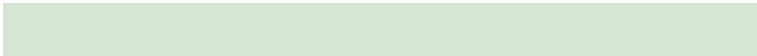
45.4388, 38.5119, 37.2436

# Sweetspot

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



30.4128, 38.5135, 28.7531



68.0133, 75.4681, 74.2228



37.8169, 41.7194, 28.9817



14.6262, 16.3008, 15.8942



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



30.4128, 38.5135, 28.7531



51.1834, 67.3987, 46.0236



31.5394, 38.9267, 36.3806



8.4252, 9.5087, 9.0438



11.4824, 22.8295, 3.8013



0.3736, 0.7247, 0.1202



# Inverse Universe

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



34.2806, 29.6173, 45.5069



59.2139, 48.9223, 80.8173



32.9769, 29.1481, 36.2822



8.8093, 8.6257, 10.7070



17.5537, 8.3851, 30.8303



0.5644, 0.2701, 0.9706



# Previews

## White Background



This preview shows how the XYZ color 30.4118, 38.5119, 28.7523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

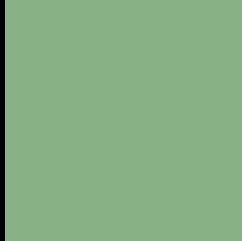
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.4118, 38.5119, 28.7523 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 30.4118, 38.5119, 28.7523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4118, 38.5119, 28.7523.



This preview shows how white text looks on a background with the XYZ color 30.4118, 38.5119,



# 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

30.4118, 38.5119, 28.7523

### Protanopia

35.7969, 38.2313, 26.6118

### Deuteranopia

38.9692, 38.2122, 29.7479



## Tritanopia

34.7035, 38.2299, 50.8974

# Trichromacy



**Original Color**

30.4118, 38.5119, 28.7523

**Protanomaly**

33.4399, 38.0968, 27.4207

**Deuteranomaly**

35.2369, 37.8781, 29.4988

**Tritanomaly**

32.9818, 38.3911, 41.7483

# Monochromacy



**Original Color**

30.4118, 38.5119, 28.7523

**Achromatopsia**

33.4132, 35.1533, 38.2819

**Achromatomaly**

32.1710, 36.1822, 34.5664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4118, 38.5119, 28.7523 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(137, 177, 135)` looks like.

```
.text, #text, p{  
    color:rgb(137, 177, 135)  
}
```

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(137, 177, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 177, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4118, 38.5119, 28.7523 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(137, 177, 135) }
```



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

```
.border{ border-color:rgb(137, 177, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 177, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 177, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 177, 135);  
box-shadow:4px 4px 4px 4px rgb(137, 177,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4118, 38.5119, 28.7523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 177, 135) }
```

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

```
.background{ background-color: rgb(137,  
177, 135) }
```

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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