

# Converting Colors

XYZ(30.8127, 38.5900, 31.3615)

Have a look what the booklet for  
XYZ(30.8127, 38.5900, 31.3615)  
contains.

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# Color

**XYZ(30.9212, 38.7156,  
31.4343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89B18E
RGB	137, 177, 142
RGB Percent	54%, 69%, 56%
CMY	0.4627, 0.3059, 0.4431
CMYK	0.23, 0.00, 0.20, 0.31
HSL	127°, 20%, 62%
HSV	127°, 23%, 69%
XYZ	30.9212, 38.7156, 31.4343
YIQ	161.0500, -12.6050, -19.3650

# Conversions

## Conversions Part 2

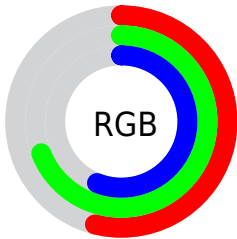
Format	Color
<a href="#">RYB</a>	<a href="#">137, 173, 177</a>
Decimal	<a href="#">9023886</a>
CIELab	<a href="#">68.54, -20.54, 13.58</a>
CIElCh	<a href="#">69, 24.621, 146.517</a>
Yxy	<a href="#">38.7156, 0.3059, 0.3831</a>
Android (android.graphics.Color)	<a href="#">4287213966 (0xFF89B18E)</a>
YUV	<a href="#">161.0500, -9.3916, -21.0918</a>
Hunter-Lab	<a href="#">62.2219, -20.1825, 13.6022</a>

# Details

The XYZ color **30.9212, 38.7156, 31.4343** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5249, 30.2180, 43.0446**, and the grayscale version is **33.9468, 35.7147, 38.8933**.

A 20% lighter version of the original color is **60.5886, 73.3397, 63.1872**, and **12.9772, 17.1664, 12.7547** is the 20% darker color. If you saturate the color by 10%, you get **27.1711, 36.9086, 25.6048**, and if you desaturate by 10%, it is **35.3110, 40.8359, 38.1388**.

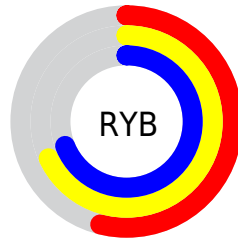
# Distribution



Red (54%)

Green (69%)

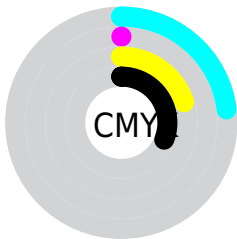
Blue (56%)



Red (54%)

Yellow (68%)

Blue (69%)

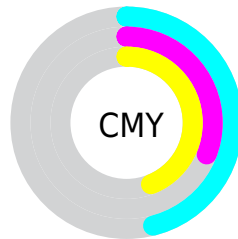


Cyan (23%)

Magenta (0%)

Yellow (20%)

Black (31%)



Cyan (46%)

Magenta (31%)

Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9212, 38.7156, 31.4343 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 30.9212, 38.7156, 31.4343 by changing the saturation by 10% instead.





 30.9212, 38.7156,  
31.4343


 30.9212, 38.7156,  
31.4343


298.0085,  
340.6798, 322.9471


 20.6904, 26.5386,  
20.6685


 60.4927, 73.2037,  
63.0108

 13.0090, 17.2270,  
12.6931

 80.5640, 96.2834,  
84.6585

 7.5118, 10.3964,  
7.0893


 104.6463,  
123.7663, 110.7708

 3.8333, 5.6626,  
3.4387

133.1048,  
156.0365, 141.7659

 1.6083, 2.6410,  
1.3228

166.3049,  
193.4786, 178.0626

 0.3978, 0.9473,  
0.0803

204.6120,

 0.0000, 0.0000,

236.4770, 220.0794

0.0000

248.3914,  
285.4159, 268.2347

■ 30.9212, 38.7156,  
31.4343

■ 30.9212, 38.7156,  
31.4343

■ 27.1711, 36.9086,  
25.6048

■ 35.3110, 40.8359,  
38.1388

■ 24.0279, 35.3955,  
20.6119

■ 40.3652, 43.2782,  
45.7498

■ 21.4602, 34.1620,  
16.4179

■ 46.1111, 46.0570,  
54.3000

■ 19.4329, 33.1908,  
12.9812

■ 52.5734, 49.1845,  
63.8201

■ 17.9070, 32.4629,  
10.2568

■ 59.7758, 52.6720,  
74.3391

■ 16.8378, 31.9563,  
8.1946

■ 67.7406, 56.5307,  
85.8850

■ 16.1731, 31.6451,  
6.7379

■ 74.2837, 59.6340,  
98.3814

■ 15.8689, 31.5041,  
6.0098

■ 75.0128, 59.9257,  
102.2209

# Harmonies

## Analogous

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



33.5675, 38.7156, 25.7844



30.9212, 38.7156, 31.4343



29.8440, 38.7156, 40.8703

# Triad

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



30.9212, 38.7156, 31.4343



36.3468, 38.7156, 67.2725



43.8835, 38.7156, 33.3190

# Complementary

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



30.9212, 38.7156, 31.4343



34.5249, 30.2180, 43.0446

# 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.



44.7561, 38.7156, 43.4658



30.9212, 38.7156, 31.4343



40.2294, 38.7156, 64.3025

# Square

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



30.9212, 38.7156, 31.4343



32.8347, 38.7156, 62.5982



43.3759, 38.7156, 55.0713



41.0681, 38.7156, 26.7308



# Rectangle

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



30.9212, 38.7156, 31.4343



30.1005, 38.7156, 48.5238



43.3759, 38.7156, 55.0713



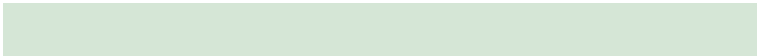
44.4219, 38.7156, 36.3688

# Sweetspot

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



30.9222, 38.7172, 31.4352



68.0475, 75.4561, 75.5668



37.3256, 42.0607, 29.8188



14.6341, 16.2980, 16.2066



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.



30.9222, 38.7172, 31.4352



51.9729, 67.6958, 51.0291



32.5319, 39.3611, 39.9114



8.4308, 9.5068, 9.2621



11.5098, 22.8299, 4.4216



0.3759, 0.7238, 0.2114



# Inverse Universe

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



34.5249, 30.2180, 43.0446



59.5418, 49.8351, 75.4162



32.7732, 29.5173, 33.8202



8.8034, 8.6281, 10.4631



17.4313, 8.4901, 23.2292



0.5612, 0.2722, 0.7979



# Previews

## White Background



This preview shows how the XYZ color 30.9212, 38.7156, 31.4343 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 30.9212, 38.7156, 31.4343 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 30.9212, 38.7156, 31.4343**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9212, 38.7156, 31.4343.



This preview shows how white text looks on a background with the XYZ color 30.9212, 38.7156,



# 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

30.9212, 38.7156, 31.4343

### Protanopia

36.0561, 38.3087, 29.1609

### Deuteranopia

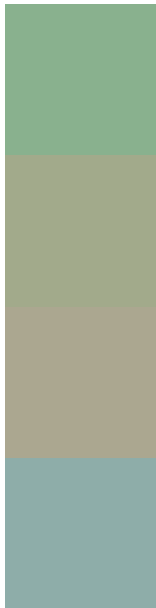
39.0909, 38.4812, 32.1554



## Tritanopia

34.9969, 38.6483, 51.5143

# Trichromacy



**Original Color**

30.9212, 38.7156, 31.4343

**Protanomaly**

33.9352, 38.2949, 30.0292

**Deuteranomaly**

35.6473, 38.3090, 31.9011

**Tritanomaly**

33.2603, 38.5025, 43.2148

# Monochromacy



**Original Color**

30.9212, 38.7156, 31.4343

**Achromatopsia**

33.8758, 35.6400, 38.8120

**Achromatomaly**

32.6003, 36.6459, 35.9270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9212, 38.7156, 31.4343 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(137, 177, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 177, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9212, 38.7156, 31.4343 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, 142) }
```



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

```
.border{ border-color:rgb(137, 177, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 177, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 177, 142);  
box-shadow:4px 4px 4px 4px rgb(137, 177,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9212, 38.7156, 31.4343 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, 142) }
```

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

```
.background{ background-color: rgb(137,  
177, 142) }
```

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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