

# Converting Colors

XYZ(30.4737, 38.6348, 24.9221)

Have a look what the booklet for  
XYZ(30.4737, 38.6348, 24.9221)  
contains.

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# Color

**XYZ(30.5156, 38.6503,  
24.9207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EB17C
RGB	142, 177, 124
RGB Percent	56%, 69%, 49%
CMY	0.4431, 0.3059, 0.5137
CMYK	0.20, 0.00, 0.30, 0.31
HSL	100°, 25%, 59%
HSV	100°, 30%, 69%
XYZ	30.5156, 38.6503, 24.9207
YIQ	160.4930, -3.8470, -23.9030

# Conversions

## Conversions Part 2

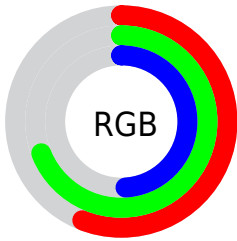
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 177, 159
Decimal	9351548
CIELab	68.50, -21.84, 23.35
CIELCh	68, 31.969, 133.091
Yxy	38.6503, 0.3243, 0.4108
Android (android.graphics.Color)	4287541628 (0xFF8EB17C)
YUV	160.4930, -17.9910, -16.2184
Hunter-Lab	62.1694, -21.1803, 19.7521

# Details

The XYZ color **30.5156, 38.6503, 24.9207** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **29.4431, 24.9616, 44.8633**, and the grayscale version is **33.7240, 35.4803, 38.6380**.

A 20% lighter version of the original color is **59.8397, 73.1879, 52.5678**, and **12.7920, 17.1474, 9.2922** is the 20% darker color. If you saturate the color by 10%, you get **27.5939, 37.2632, 19.4561**, and if you desaturate by 10%, it is **33.8506, 40.2296, 31.4551**.

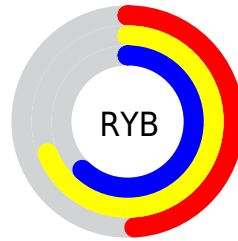
# Distribution



Red (56%)

Green (69%)

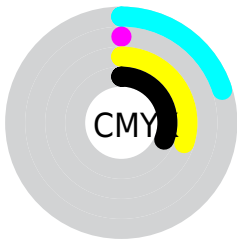
Blue (49%)



Red (49%)

Yellow (69%)

Blue (62%)

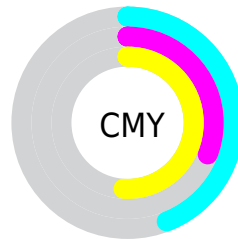


Cyan (20%)

Magenta (0%)

Yellow (30%)

Black (31%)



Cyan (44%)

Magenta (31%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5156, 38.6503, 24.9207 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 30.5156, 38.6503, 24.9207 by changing the saturation by 10% instead.





 30.5156, 38.6503,  
24.9207


 30.5156, 38.6503,  
24.9207


296.1673,  
340.4014, 290.8778

 20.3803, 26.4878,  
15.7995


 59.8577, 73.1038,  
52.4911

 12.7816, 17.1889,  
9.2296


 79.7951, 96.1636,  
71.7773

 7.3543, 10.3693,  
4.7924


 103.7307,  
123.6245, 95.2890

 3.7330, 5.6445,  
2.0694

132.0297,  
155.8711, 123.4447

 1.5522, 2.6301,  
0.5974

165.0575,  
193.2877, 156.6628

 0.3609, 0.9418,  
0.0000

203.1795,

 0.0000, 0.0000,

236.2587, 195.3621

0.0000

246.7610,  
285.1685, 239.9609

■ 30.5156, 38.6503,  
24.9207

■ 30.5156, 38.6503,  
24.9207

■ 27.5939, 37.2632,  
19.4561

■ 33.8506, 40.2296,  
31.4551

■ 25.0653, 36.0556,  
15.0019

■ 37.6121, 42.0032,  
39.1094

■ 22.9123, 35.0211,  
11.4967


■ 41.8162, 43.9795,  
47.9337


■ 21.1147, 34.1506,  
8.8712


■ 46.4775, 46.1651,  
57.9744


■ 19.6501, 33.4344,  
7.0471


■ 51.6096, 48.5659,  
69.2751


 18.4928, 32.8613,  
5.9319


 57.2256, 51.1880,  
81.8774

 17.5975, 32.4121,  
5.3315

 63.3383, 54.0369,  
95.8211

 17.5930, 32.4099,  
5.3285

 68.2047, 56.4161,  
101.9024

 72.2034, 58.4775,  
102.0895

# Harmonies

## Analogous

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



34.5881, 38.6503, 20.4556



30.5156, 38.6503, 24.9207



28.2360, 38.6503, 34.5291

# Triad

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



30.5156, 38.6503, 24.9207



33.9936, 38.6503, 74.5456



46.9868, 38.6503, 36.1151

# Complementary

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



30.5156, 38.6503, 24.9207



29.4431, 24.9616, 44.8633

# 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.



46.7905, 38.6503, 50.6667



30.5156, 38.6503, 24.9207



38.9709, 38.6503, 75.2471

# Square

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



30.5156, 38.6503, 24.9207



30.1147, 38.6503, 63.9897



43.7489, 38.6503, 65.7309



44.2629, 38.6503, 25.8523



# Rectangle

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



30.5156, 38.6503, 24.9207



27.8982, 38.6503, 43.5954



43.7489, 38.6503, 65.7309



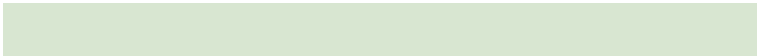
47.2670, 38.6503, 40.6072

# Sweetspot

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



30.5166, 38.6520, 24.9215



67.9246, 75.4890, 71.2119



34.0749, 35.4115, 24.1085



14.5000, 16.2560, 14.9770



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.



30.5166, 38.6520, 24.9215



51.0800, 67.5252, 37.8959



28.1969, 37.3957, 27.5446



8.6520, 9.6257, 9.0545



12.8052, 23.5114, 3.8633



0.4668, 0.7727, 0.1245



# Inverse Universe

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



29.4431, 24.9616, 44.8633



48.8345, 38.9942, 79.4481



32.5067, 26.6299, 40.9893



8.5642, 8.4994, 10.6955



11.1213, 5.0691, 30.5293



0.4092, 0.1901, 0.9634



# Previews

## White Background



This preview shows how the XYZ color 30.5156, 38.6503, 24.9207 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 30.5156, 38.6503, 24.9207 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 30.5156, 38.6503, 24.9207**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5156, 38.6503, 24.9207.



This preview shows how white text looks on a background with the XYZ color 30.5156, 38.6503,



# 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

30.5156, 38.6503, 24.9207

### Protanopia

35.5564, 38.1881, 22.9498

### Deuteranopia

39.2320, 38.4359, 25.7732



## Tritanopia

35.4977, 38.3741, 50.3358

# Trichromacy



## Original Color

30.5156, 38.6503, 24.9207

## Protanomaly

33.5518, 38.2369, 23.7013

## Deuteranomaly

35.3715, 38.0348, 25.5559

## Tritanomaly

33.4869, 38.4096, 39.8313

# Monochromacy



## Original Color

30.5156, 38.6503, 24.9207

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

32.0395, 36.1513, 32.8930

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5156, 38.6503, 24.9207 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(142, 177, 124)` looks like.

```
.text, #text, p{  
    color:rgb(142, 177, 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(142, 177, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 177, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5156, 38.6503, 24.9207 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(142, 177, 124) }
```



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

```
.border{ border-color:rgb(142, 177, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 177, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 177, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 177, 124);  
box-shadow:4px 4px 4px 4px rgb(142, 177,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5156, 38.6503, 24.9207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 177, 124) }
```

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

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