

# Converting Colors

XYZ(30.8579, 48.1367, 36.6137)

Have a look what the booklet for  
XYZ(30.8579, 48.1367, 36.6137)  
contains.

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# Color

**XYZ(30.8008, 48.0069,  
36.4970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FCE96
RGB	79, 206, 150
RGB Percent	31%, 81%, 59%
CMY	0.6902, 0.1921, 0.4118
CMYK	0.62, 0.00, 0.27, 0.19
HSL	154°, 56%, 56%
HSV	154°, 62%, 81%
XYZ	30.8008, 48.0069, 36.4970
YIQ	161.6430, -57.7160, -44.3400

# Conversions

## Conversions Part 2

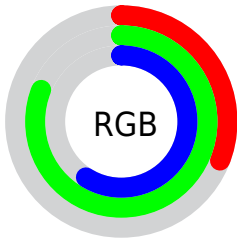
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 160, 206
Decimal	5230230
CIELab	74.83, -48.07, 17.67
CIELCh	75, 51.216, 159.815
Yxy	48.0069, 0.2671, 0.4163
Android (android.graphics.Color)	4283420310 (0xFF4FCE96)
YUV	161.6430, -5.7400, -72.4779
Hunter-Lab	69.2870, -41.9020, 17.2698

# Details

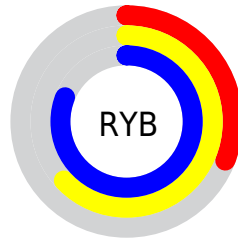
The XYZ color **30.8008, 48.0069, 36.4970** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **32.6244, 20.4642, 25.1541**, and the grayscale version is **34.2222, 36.0044, 39.2088**.

A 20% lighter version of the original color is **57.3065, 81.3686, 69.8121**, and **13.3187, 23.0341, 15.5484** is the 20% darker color. If you saturate the color by 10%, you get **28.6422, 46.9767, 32.7251**, and if you desaturate by 10%, it is **33.5494, 49.3373, 40.5947**.

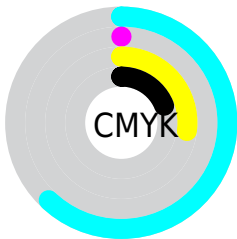
# Distribution



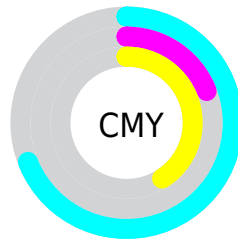
- Red (31%)
- Green (81%)
- Blue (59%)



- Red (31%)
- Yellow (63%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)




- Cyan (69%)
- Magenta (19%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8008, 48.0069, 36.4970 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 30.8008, 48.0069, 36.4970 by changing the saturation by 10% instead.





 30.8008, 48.0069,  
36.4970


 30.8008, 48.0069,  
36.4970


297.4628,  
378.8195, 346.2305

 20.5983, 33.8324,  
24.5256


 60.3043, 87.2147,  
70.9761


 12.9415, 22.7648,  
15.5081


 80.3360, 113.0167,  
94.3209

 7.4650, 14.4200,  
9.0262


 104.3748,  
143.4633, 122.2939

 3.8035, 8.4133,  
4.6612

 132.7861,  
178.9390, 155.3136

 1.5916, 4.3605,  
1.9947

165.9351,  
219.8280, 193.7986

 0.3869, 1.8772,  
0.5520

204.1874,

 0.0000, 0.5346,

266.5148, 238.1674

0.0000

247.9082,  
319.3839, 288.8385

■ 0.0000, 0.0000,  
0.0000

■ 30.8008, 48.0069,  
36.4970

■ 30.8008, 48.0069,  
36.4970

■ 28.6422, 46.9767,  
32.7251

■ 33.5494, 49.3373,  
40.5947

■ 27.0177, 46.2141,  
29.2665

■ 36.9300, 50.9855,  
45.0235

■ 25.8665, 45.6892,  
26.1125

■ 40.9846, 52.9744,  
49.7926

■ 25.1762, 45.3859,  
23.7028

■ 45.7507, 55.3231,  
54.9098

■ 51.2629, 58.0493,  
60.3827

■ 57.5533, 61.1695,  
66.2185

■ 64.6523, 64.6991,  
72.4242

■ 72.5885, 68.6529,  
79.0067

■ 77.8432, 71.2167,  
85.8065

# Harmonies

## Analogous

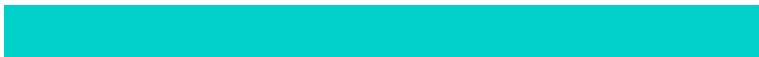
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0965, 48.0069, 21.9455



30.8008, 48.0069, 36.4970



30.1607, 48.0069, 61.5102

# Triad

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



30.8008, 48.0069, 36.4970



48.7503, 48.0069, 120.8407



60.8125, 48.0069, 25.8296

# Complementary

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



30.8008, 48.0069, 36.4970



32.6244, 20.4642, 25.1541

# 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.



65.6467, 48.0069, 44.0073



30.8008, 48.0069, 36.4970



58.0827, 48.0069, 102.3891

# Square

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



30.8008, 48.0069, 36.4970



39.7248, 48.0069, 116.6944



64.5848, 48.0069, 72.0397



52.0912, 48.0069, 17.3996



# Rectangle

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



30.8008, 48.0069, 36.4970



31.7888, 48.0069, 82.1415



64.5848, 48.0069, 72.0397



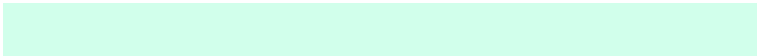
62.9964, 48.0069, 30.6939

# Sweetspot

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



30.8021, 48.0088, 36.4981



77.0435, 91.0742, 91.9340



33.6619, 49.9560, 15.2661



15.9511, 19.2271, 19.1297



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



30.8021, 48.0088, 36.4981



45.4534, 75.6592, 51.1326



34.9399, 47.2671, 65.6767



11.3262, 12.6402, 13.2753



15.5516, 27.9659, 14.8557



0.8401, 1.4578, 0.9654



# Inverse Universe

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



32.6244, 20.4642, 25.1541



48.6713, 27.3778, 31.3665



30.1424, 20.2397, 9.7158



11.4144, 11.2945, 12.7168



16.8791, 8.5622, 7.0819



0.9087, 0.4569, 0.5652



# Previews

## White Background



This preview shows how the XYZ color 30.8008, 48.0069, 36.4970 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 30.8008, 48.0069, 36.4970 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 30.8008, 48.0069, 36.4970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8008, 48.0069, 36.4970.



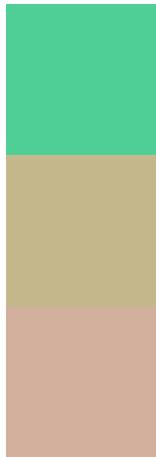
This preview shows how white text looks on a background with the XYZ color 30.8008, 48.0069,



# 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

30.8008, 48.0069, 36.4970

### Protanopia

44.0994, 47.3332, 31.2380

### Deuteranopia

48.1895, 47.1866, 38.4664



## Tritanopia

37.6985, 48.0099, 70.8982

# Trichromacy



## Original Color

30.8008, 48.0069, 36.4970



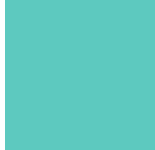
## Protanomaly

36.7256, 46.0171, 32.9331



## Deuteranomaly

38.5034, 45.5551, 37.3355



## Tritanomaly

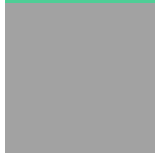
34.8048, 47.8620, 56.6941

# Monochromacy



## Original Color

30.8008, 48.0069, 36.4970



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

31.6077, 39.2149, 38.2511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8008, 48.0069, 36.4970 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(79, 206, 150)` looks like.

```
.text, #text, p{  
    color:rgb(79, 206, 150)  
}
```

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(79, 206, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 206, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8008, 48.0069, 36.4970 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(79, 206, 150) }
```



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

```
.border{ border-color:rgb(79, 206, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 206, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 206, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 206, 150);  
box-shadow:4px 4px 4px 4px rgb(79, 206,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8008, 48.0069, 36.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 206, 150) }
```

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

```
.background{ background-color: rgb(79, 206,  
150) }
```

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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