

# Converting Colors

XYZ(35.0638, 48.5901, 28.7365)

Have a look what the booklet for  
XYZ(35.0638, 48.5901, 28.7365)  
contains.

<b>XYZ(35.0693, 48.6192, 28.6552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.0693, 48.6192,  
28.6552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88C982
RGB	136, 201, 130
RGB Percent	53%, 79%, 51%
CMY	0.4667, 0.2117, 0.4902
CMYK	0.32, 0.00, 0.35, 0.21
HSL	115°, 40%, 65%
HSV	115°, 35%, 79%
XYZ	35.0693, 48.6192, 28.6552
YIQ	173.4710, -15.9490, -35.8610

# Conversions

## Conversions Part 2

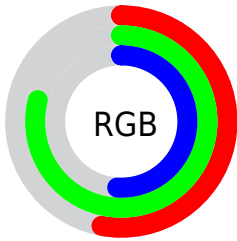
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 201, 195</a>
Decimal	<a href="#">8964482</a>
CIELab	<a href="#">75.21, -34.54, 29.10</a>
CIELCh	<a href="#">75, 45.166, 139.892</a>
Yxy	<a href="#">48.6192, 0.3122, 0.4328</a>
Android (android.graphics.Color)	<a href="#">4287154562 (0xFF88C982)</a>
YUV	<a href="#">173.4710, -21.4312, -32.8621</a>
Hunter-Lab	<a href="#">69.7275, -32.2468, 24.4434</a>

# Details

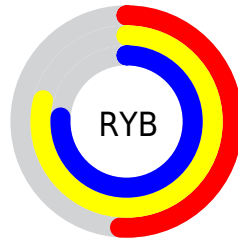
The XYZ color **35.0693, 48.6192, 28.6552** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0329, 31.7858, 59.2334**, and the grayscale version is **40.0741, 42.1611, 45.9134**.

A 20% lighter version of the original color is **65.8976, 86.0571, 58.4849**, and **15.4490, 23.2856, 11.2697** is the 20% darker color. If you saturate the color by 10%, you get **31.1136, 46.7224, 22.1023**, and if you desaturate by 10%, it is **39.8042, 50.8901, 36.6223**.

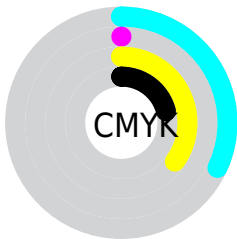
# Distribution



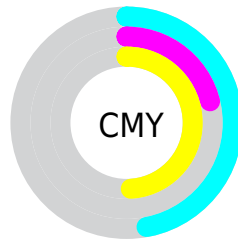
- Red (53%)
- Green (79%)
- Blue (51%)



- Red (51%)
- Yellow (79%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (35%)
- Black (21%)




- Cyan (47%)
- Magenta (21%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0693, 48.6192, 28.6552 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 35.0693, 48.6192, 28.6552 by changing the saturation by 10% instead.





 35.0693, 48.6192,  
28.6552


 35.0693, 48.6192,  
28.6552


316.3768,  
381.2413, 309.5945


 23.8830, 34.3175,  
18.5768


 66.9264, 88.1256,  
58.5644

 15.3711, 23.1376,  
11.1912


 88.3280, 114.0991,  
79.2324

 9.1683, 14.6952,  
6.0798


 113.8654,  
144.7320, 104.2673

 4.9091, 8.6057,  
2.8241

143.9039,  
180.4087, 134.0876

 2.2282, 4.4849,  
1.0055

178.8089,  
221.5136, 169.1119

 0.7576, 1.9483,  
0.0000

218.9459,

 0.0000, 0.5772,

268.4311, 209.7588

0.0000

264.6800,  
321.5455, 256.4468

■ 0.0000, 0.0000,  
0.0000

■ 35.0693, 48.6192,  
28.6552

■ 35.0693, 48.6192,  
28.6552

■ 31.1136, 46.7224,  
22.1023

■ 39.8042, 50.8901,  
36.6223

■ 27.8918, 45.1737,  
16.8779

■ 45.3531, 53.5472,  
46.0762

■ 25.3595, 43.9539,  
12.8923


■ 51.7531, 56.6094,  
57.0882


■ 23.4661, 43.0389,  
10.0432


■ 59.0381, 60.0928,  
69.7243


■ 22.1539, 42.4016,  
8.2118

■ 67.2400, 64.0126,  
84.0464

 21.3547, 42.0100,  
7.2532

 76.3892, 68.3830,  
100.1134

 21.1184, 41.8942,  
6.9733

 80.1776, 70.2551,  
103.9425

# Harmonies

## Analogous

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



41.0014, 48.6192, 20.5885



35.0693, 48.6192, 28.6552



32.2386, 48.6192, 45.3295

# Triad

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



35.0693, 48.6192, 28.6552



43.4719, 48.6192, 111.7335



62.8630, 48.6192, 38.8864

# Complementary

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



35.0693, 48.6192, 28.6552



41.0329, 31.7858, 59.2334

# 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.



63.7300, 48.6192, 61.3536



35.0693, 48.6192, 28.6552



51.8443, 48.6192, 108.4535

# Square

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



35.0693, 48.6192, 28.6552



36.6916, 48.6192, 96.0462



59.4933, 48.6192, 88.0945



57.2493, 48.6192, 25.1551

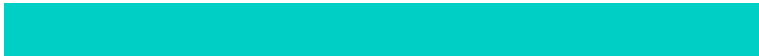


# Rectangle

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



35.0693, 48.6192, 28.6552



32.2304, 48.6192, 61.1662



59.4933, 48.6192, 88.0945



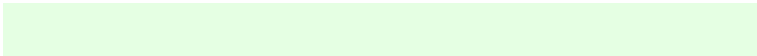
63.7430, 48.6192, 45.4830

# Sweetspot

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



35.0705, 48.6213, 28.6563



82.0335, 93.7740, 86.4134



47.3883, 52.5706, 28.7694



17.2428, 19.9204, 17.9535



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

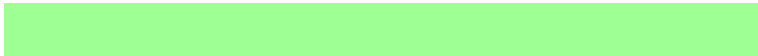


# Same Dimension

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



35.0705, 48.6213, 28.6563



54.9921, 80.8179, 40.6765



36.3001, 49.0037, 40.0753



10.5792, 11.9300, 11.3079



13.3106, 26.3572, 4.3859



0.6596, 1.2631, 0.2090



# Inverse Universe

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



41.0329, 31.7858, 59.2334



66.6130, 47.9524, 100.3526



39.5759, 31.3857, 43.3063



10.9913, 10.7693, 13.4169



19.0983, 9.0798, 35.4903



0.9310, 0.4437, 1.6817



# Previews

## White Background



This preview shows how the XYZ color 35.0693, 48.6192, 28.6552 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 35.0693, 48.6192, 28.6552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

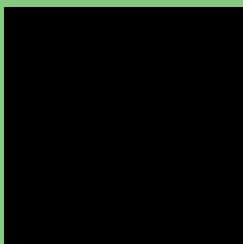
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

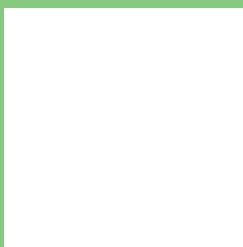
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.0693, 48.6192, 28.6552**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0693, 48.6192, 28.6552.



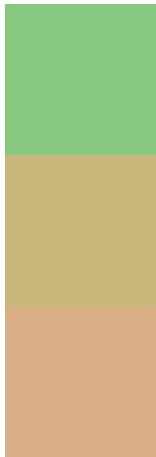
This preview shows how white text looks on a background with the XYZ color 35.0693, 48.6192,



# 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

35.0693, 48.6192, 28.6552

### Protanopia

44.5351, 47.9904, 25.6547

### Deuteranopia

49.0088, 48.0990, 29.6227



## Tritanopia

42.6898, 48.6883, 66.1793

# Trichromacy



## Original Color

35.0693, 48.6192, 28.6552

## Protanomaly

40.3108, 47.6804, 26.8173

## Deuteranomaly

42.5316, 47.5026, 29.1176

## Tritanomaly

39.3288, 48.3046, 49.8987

# Monochromacy



## Original Color

35.0693, 48.6192, 28.6552

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

37.5165, 43.7749, 38.3704

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0693, 48.6192, 28.6552 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(136, 201, 130)` looks like.

```
.text, #text, p{  
    color:rgb(136, 201, 130)  
}
```

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(136, 201, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 201, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0693, 48.6192, 28.6552 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(136, 201, 130) }
```



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

```
.border{ border-color:rgb(136, 201, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 201, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 201, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 201, 130);  
box-shadow:4px 4px 4px 4px rgb(136, 201,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0693, 48.6192, 28.6552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 201, 130) }
```

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

```
.background{ background-color: rgb(136,  
201, 130) }
```

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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