

# Converting Colors

XYZ(35.2038, 50.9214, 43.9806)

Have a look what the booklet for  
XYZ(35.2038, 50.9214, 43.9806)  
contains.

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# Color

**XYZ(35.1477, 50.8080,  
44.0308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68D0A6
RGB	104, 208, 166
RGB Percent	41%, 82%, 65%
CMY	0.5921, 0.1843, 0.3490
CMYK	0.50, 0.00, 0.20, 0.18
HSL	156°, 53%, 61%
HSV	156°, 50%, 82%
XYZ	35.1477, 50.8080, 44.0308
YIQ	172.1160, -48.5020, -35.1100

# Conversions

## Conversions Part 2

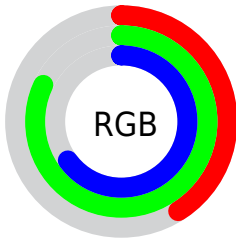
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 169, 208
Decimal	6869158
CIELab	76.56, -40.09, 11.69
CIELCh	77, 41.761, 163.740
Yxy	50.8080, 0.2704, 0.3909
Android (android.graphics.Color)	4285059238 (0xFF68D0A6)
YUV	172.1160, -3.0152, -59.7377
Hunter-Lab	71.2797, -36.7220, 13.2713

# Details

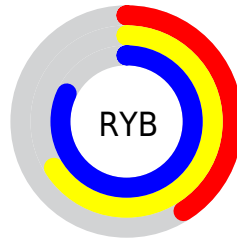
The XYZ color **35.1477, 50.8080, 44.0308** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.1527, 25.3870, 30.1907**, and the grayscale version is **39.3049, 41.3518, 45.0321**.

A 20% lighter version of the original color is **63.5091, 84.3175, 81.3342**, and **15.4248, 24.5110, 19.8377** is the 20% darker color. If you saturate the color by 10%, you get **32.2792, 49.4167, 40.0052**, and if you desaturate by 10%, it is **38.6647, 52.5305, 48.3518**.

# Distribution



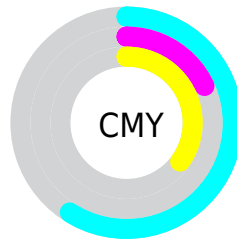
- Red (41%)
- Green (82%)
- Blue (65%)



- Red (41%)
- Yellow (66%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)



- Cyan (59%)
- Magenta (18%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1477, 50.8080, 44.0308 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 35.1477, 50.8080, 44.0308 by changing the saturation by 10% instead.





 35.1477, 50.8080,  
44.0308


 35.1477, 50.8080,  
44.0308


316.7164,  
389.8174, 378.8790


 23.9437, 36.0558,  
30.3574


 67.0470, 91.3709,  
82.5671


 15.4164, 24.4773,  
19.8556


 88.4731, 117.9504,  
108.2669

 9.2003, 15.6881,  
12.1071


 114.0372,  
149.2412, 138.8127

 4.9302, 9.3037,  
6.6932

 144.1048,  
185.6276, 174.6229

 2.2407, 4.9398,  
3.1955

179.0411,  
227.4940, 216.1161

 0.7641, 2.2120,  
1.1953

219.2116,

 0.0000, 0.7265,

275.2248, 263.7109

0.0000

264.9816,  
329.2045, 317.8256

■ 0.0000, 0.0000,  
0.0000

■ 35.1477, 50.8080,  
44.0308

■ 35.1477, 50.8080,  
44.0308

■ 32.2792, 49.4167,  
40.0052

■ 38.6647, 52.5305,  
48.3518

■ 30.0096, 48.3271,  
36.2643

■ 42.8671, 54.5990,  
52.9714

■ 28.2883, 47.5146,  
32.8018


■ 47.7938, 57.0348,  
57.8973


■ 27.0541, 46.9478,  
29.6094


■ 53.4793, 59.8558,  
63.1356


■ 26.1949, 46.5688,  
26.6766


■ 59.9561, 63.0784,  
68.6924

 26.1948, 46.5688,  
26.6766

 67.2546, 66.7183,  
74.5735

 75.4037, 70.7903,  
80.7844

 78.5342, 72.2686,  
87.0547

 79.7647, 72.7608,  
93.5345

# Harmonies

## Analogous

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



38.5476, 50.8080, 29.5029



35.1477, 50.8080, 44.0308



35.0083, 50.8080, 66.2911

# Triad

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



35.1477, 50.8080, 44.0308



51.9836, 50.8080, 109.1390



60.0966, 50.8080, 30.3997

# Complementary

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



35.1477, 50.8080, 44.0308



36.1527, 25.3870, 30.1907

# 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.



64.5701, 50.8080, 45.6337



35.1477, 50.8080, 44.0308



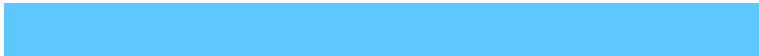
59.5529, 50.8080, 93.0035

# Square

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



35.1477, 50.8080, 44.0308



44.1689, 50.8080, 108.3636



64.3609, 50.8080, 68.3935



52.6629, 50.8080, 23.2258



# Rectangle

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



35.1477, 50.8080, 44.0308



36.7473, 50.8080, 83.1188



64.3609, 50.8080, 68.3935



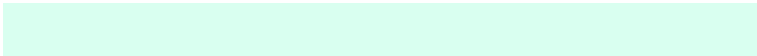
62.0308, 50.8080, 34.5356

# Sweetspot

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



35.1491, 50.8100, 44.0320



79.9627, 92.4981, 95.7293



37.1486, 52.3473, 21.2434



16.7109, 19.5978, 20.1137



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.



35.1491, 50.8100, 44.0320



50.8885, 78.2044, 62.9874



37.5959, 48.4996, 67.0568



11.9478, 13.3229, 14.0818



16.3744, 29.0427, 16.8833



0.9543, 1.6394, 1.1480



# Inverse Universe

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



36.1527, 25.3870, 30.1907



52.6733, 33.4355, 38.7005



34.3806, 26.1465, 16.3321



12.0038, 11.8862, 13.2956



17.2549, 8.7748, 6.2483

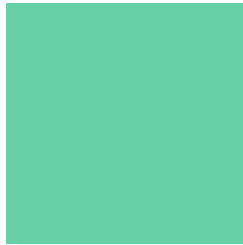


1.0036, 0.5062, 0.5539



# Previews

## White Background



This preview shows how the XYZ color 35.1477, 50.8080, 44.0308 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 35.1477, 50.8080, 44.0308 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

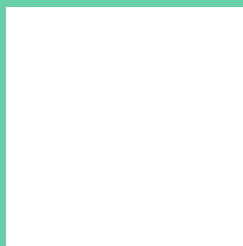
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.1477, 50.8080, 44.0308**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1477, 50.8080, 44.0308.



This preview shows how white text looks on a background with the XYZ color 35.1477, 50.8080,



# 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

35.1477, 50.8080, 44.0308

### Protanopia

47.0598, 49.9467, 38.6129

### Deuteranopia

51.1216, 50.0234, 45.9908



## Tritanopia

40.8822, 50.6346, 73.2644

# Trichromacy



## Original Color

35.1477, 50.8080, 44.0308



## Protanomaly

41.1701, 49.4608, 40.6347



## Deuteranomaly

43.1201, 49.0481, 45.2248



## Tritanomaly

38.5960, 50.7737, 61.1922

# Monochromacy



## Original Color

35.1477, 50.8080, 44.0308



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.6373, 43.8032, 44.5541

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1477, 50.8080, 44.0308 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(104, 208, 166)` looks like.

```
.text, #text, p{  
    color:rgb(104, 208, 166)  
}
```

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(104, 208, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 208, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1477, 50.8080, 44.0308 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(104, 208, 166) }
```



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

```
.border{ border-color:rgb(104, 208, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 208, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 208, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 208, 166); box-shadow:4px 4px 4px 4px rgb(104, 208, 166) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1477, 50.8080, 44.0308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 208, 166) }
```

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

```
.background{ background-color: rgb(104,  
208, 166) }
```

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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