

# Converting Colors

XYZ(37.0750, 55.0757, 48.2118)

Have a look what the booklet for  
XYZ(37.0750, 55.0757, 48.2118)  
contains.

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# Color

**XYZ(37.0750, 55.0757,  
48.2118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FD9AD
RGB	95, 217, 173
RGB Percent	37%, 85%, 68%
CMY	0.6274, 0.1490, 0.3216
CMYK	0.56, 0.00, 0.20, 0.15
HSL	158°, 62%, 61%
HSV	158°, 56%, 85%
XYZ	37.0750, 55.0757, 48.2118
YIQ	175.5060, -58.5880, -39.5480

# Conversions

## Conversions Part 2

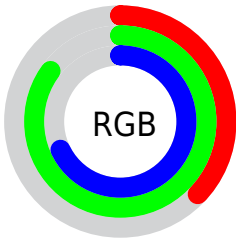
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 169, 217
Decimal	6281645
CIELab	79.08, -44.52, 11.50
CIELCh	79, 45.981, 165.515
Yxy	55.0757, 0.2641, 0.3924
Android (android.graphics.Color)	4284471725 (0xFF5FD9AD)
YUV	175.5060, -1.2355, -70.6038
Hunter-Lab	74.2130, -40.6985, 13.4319

# Details

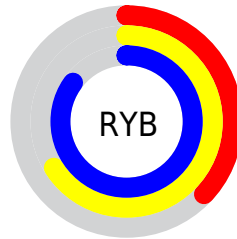
The XYZ color **37.0750, 55.0757, 48.2118** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **37.3695, 24.8016, 27.2458**, and the grayscale version is **41.0392, 43.1764, 47.0191**.

A 20% lighter version of the original color is **63.0900, 83.9915, 86.2856**, and **16.5053, 27.0296, 22.4365** is the 20% darker color. If you saturate the color by 10%, you get **34.3920, 53.7789, 44.2487**, and if you desaturate by 10%, it is **40.4331, 56.7182, 52.4405**.

# Distribution



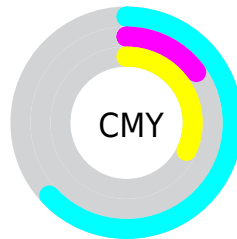
- Red (37%)
- Green (85%)
- Blue (68%)



- Red (37%)
- Yellow (66%)
- Blue (85%)



- Cyan (56%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)



- Cyan (63%)
- Magenta (15%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0750, 55.0757, 48.2118 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 37.0750, 55.0757, 48.2118 by changing the saturation by 10% instead.



37.0750, 55.0757,  
48.2118

37.0750, 55.0757,  
48.2118

324.9850,  
406.1988, 396.1639

25.4395, 39.4623,  
33.6335

70.0012, 97.6519,  
88.8885

16.5353, 27.1196,  
22.3371

92.0226, 125.3834,  
115.8239

9.9970, 17.6631,  
13.9041

118.2367,  
157.9232, 147.7155

5.4592, 10.7084,  
7.9160

149.0089,  
195.6556, 184.9817

2.5566, 5.8711,  
3.9543

184.7044,  
238.9649, 228.0411

0.9239, 2.7668,  
1.6003

225.6887,

0.0000, 1.0113,

288.2357, 277.3123

0.2910

272.3271,  
343.8522, 333.2137

■ 0.0000, 0.0000,  
0.0000

■ 37.0750, 55.0757,  
48.2118

■ 37.0750, 55.0757,  
48.2118

■ 34.3920, 53.7789,  
44.2487

■ 40.4331, 56.7182,  
52.4405

■ 32.3252, 52.7934,  
40.5409

■ 44.5100, 58.7246,  
56.9372

■ 30.8130, 52.0888,  
37.0828

■ 49.3507, 61.1195,  
61.7088

■ 29.7761, 51.6244,  
33.8665

■ 54.9954, 63.9234,  
66.7609

■ 29.4548, 51.4840,  
32.7104

■ 61.4811, 67.1555,  
72.0988

68.8426, 70.8336,  
77.7276

77.1128, 74.9744,  
83.6523

81.1383, 76.9214,  
89.6351

82.2983, 77.3854,  
95.7437

# Harmonies

## Analogous

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



40.7572, 55.0757, 31.1043



37.0750, 55.0757, 48.2118



37.1402, 55.0757, 74.5034

# Triad

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



37.0750, 55.0757, 48.2118



57.2035, 55.0757, 122.9116



65.6896, 55.0757, 30.6920

# Complementary

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



37.0750, 55.0757, 48.2118



37.3695, 24.8016, 27.2458

# 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.



71.2258, 55.0757, 47.4581



37.0750, 55.0757, 48.2118



65.9506, 55.0757, 102.7298

# Square

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



37.0750, 55.0757, 48.2118



48.0634, 55.0757, 123.2908



71.3266, 55.0757, 73.4952



56.8795, 55.0757, 23.1793



# Rectangle

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



37.0750, 55.0757, 48.2118



39.2766, 55.0757, 94.3158



71.3266, 55.0757, 73.4952



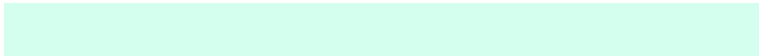
68.0382, 55.0757, 35.1723

# Sweetspot

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



37.0765, 55.0779, 48.2131



78.4446, 91.7187, 95.5133



37.6505, 56.0065, 19.6533



16.4216, 19.4482, 20.1224



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.



37.0765, 55.0779, 48.2131



49.0976, 77.2790, 63.0029



38.0700, 49.0938, 73.1177



13.2352, 14.7457, 15.7014



17.8819, 31.1854, 20.0754



1.1992, 2.0366, 1.5148



# Inverse Universe

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



37.3695, 24.8016, 27.2458



49.5925, 29.6921, 30.2180



36.3961, 27.0065, 14.1219



13.2491, 13.1288, 14.5732



18.2066, 9.2837, 5.4679

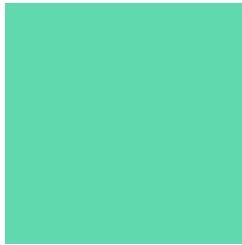


1.2199, 0.6176, 0.5671



# Previews

## White Background



This preview shows how the XYZ color 37.0750, 55.0757, 48.2118 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 37.0750, 55.0757, 48.2118 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

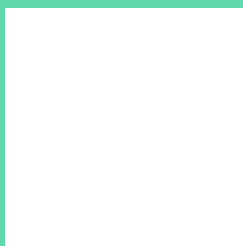
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.0750, 55.0757, 48.2118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0750, 55.0757, 48.2118.



This preview shows how white text looks on a background with the XYZ color 37.0750, 55.0757,



# 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

37.0750, 55.0757, 48.2118

### Protanopia

50.9902, 54.1713, 41.9511

### Deuteranopia

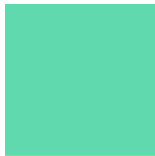
55.3333, 54.2812, 50.2088



## Tritanopia

43.5938, 55.0840, 81.0077

# Trichromacy



## Original Color

37.0750, 55.0757, 48.2118



## Protanomaly

43.5205, 52.9936, 44.0114



## Deuteranomaly

45.8148, 53.0198, 49.4141



## Tritanomaly

41.0006, 55.1577, 67.5170

# Monochromacy



## Original Color

37.0750, 55.0757, 48.2118



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

38.4013, 46.5598, 47.5204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0750, 55.0757, 48.2118 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(95, 217, 173)` looks like.

```
.text, #text, p{  
    color:rgb(95, 217, 173)  
}
```

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(95, 217, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 217, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0750, 55.0757, 48.2118 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(95, 217, 173) }
```



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

```
.border{ border-color:rgb(95, 217, 173) }
```

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

Here you see how a box with a 4 pixel rgb(95, 217, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 217, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 217, 173);  
box-shadow:4px 4px 4px 4px rgb(95, 217,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0750, 55.0757, 48.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 217, 173) }
```

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

```
.background{ background-color: rgb(95, 217,  
173) }
```

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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