

# Converting Colors

XYZ(37.8348, 51.3134, 35.1045)

Have a look what the booklet for  
XYZ(37.8348, 51.3134, 35.1045)  
contains.

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# Color

**XYZ(37.8348, 51.3134,  
35.1045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CCD92
RGB	140, 205, 146
RGB Percent	55%, 80%, 57%
CMY	0.4510, 0.1961, 0.4274
CMYK	0.32, 0.00, 0.29, 0.20
HSL	126°, 39%, 68%
HSV	126°, 32%, 80%
XYZ	37.8348, 51.3134, 35.1045
YIQ	178.8390, -19.8010, -32.1290

# Conversions

## Conversions Part 2

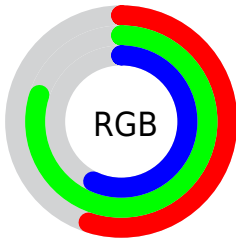
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 200, 205
Decimal	9227666
CIELab	76.87, -32.49, 22.98
CIElCh	77, 39.792, 144.728
Yxy	51.3134, 0.3045, 0.4130
Android (android.graphics.Color)	4287417746 (0xFF8CCD92)
YUV	178.8390, -16.1896, -34.0618
Hunter-Lab	71.6334, -31.0796, 21.0878

# Details

The XYZ color **37.8348, 51.3134, 35.1045** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.8654, 35.8598, 58.5917**, and the grayscale version is **42.8541, 45.0858, 49.0985**.

A 20% lighter version of the original color is **68.6910, 87.2922, 67.8723**, and **16.9024, 24.6652, 14.6965** is the 20% darker color. If you saturate the color by 10%, you get **33.3654, 49.1647, 27.9448**, and if you desaturate by 10%, it is **43.1860, 53.8924, 43.5375**.

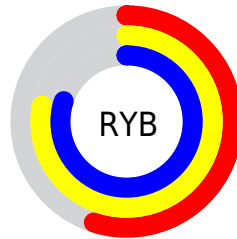
# Distribution



Red (55%)

Green (80%)

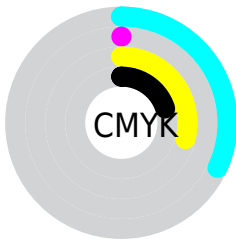
Blue (57%)



Red (55%)

Yellow (78%)

Blue (80%)

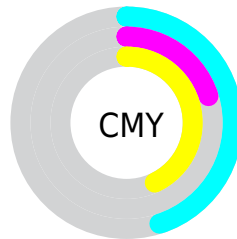


Cyan (32%)

Magenta (0%)

Yellow (29%)

Black (20%)



Cyan (45%)

Magenta (20%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8348, 51.3134, 35.1045 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 37.8348, 51.3134, 35.1045 by changing the saturation by 10% instead.



■ 37.8348, 51.3134,  
35.1045

■ 37.8348, 51.3134,  
35.1045

328.2039,  
391.7802, 339.9476

■ 26.0311, 36.4581,  
23.4592

■ 71.1604, 92.1179,  
68.8010

■ 16.9797, 24.7882,  
14.7245

■ 93.4130, 118.8358,  
91.6893

■ 10.3153, 15.9193,  
8.4818

119.8794,  
150.2767, 119.1624

■ 5.6723, 9.4671,  
4.3126

150.9247,  
186.8251, 151.6387

■ 2.6856, 5.0471,  
1.7983

186.9145,  
228.8652, 189.5368

■ 0.9898, 2.2749,  
0.4269

228.2141,

■ 0.0000, 0.7604,

276.7815, 233.2753

0.0000

275.1887,  
330.9583, 283.2728

■ 0.0000, 0.0000,  
0.0000

■ 37.8348, 51.3134,  
35.1045

■ 37.8348, 51.3134,  
35.1045

■ 33.3654, 49.1647,  
27.9448

■ 43.1860, 53.8924,  
43.5375

■ 29.7267, 47.4168,  
21.9934

■ 49.4587, 56.9166,  
53.2978

■ 26.8684, 46.0468,  
17.1846

■ 56.6949, 60.4079,  
64.4405

■ 24.7329, 45.0265,  
13.4451

■ 64.9330, 64.3849,  
77.0165

■ 23.2550, 44.3240,  
10.6934

■ 74.2092, 68.8654,  
91.0742

■ 22.3573, 43.9014,  
8.8358

■ 81.1223, 72.1447,  
104.2574

■ 21.9492, 43.7114,  
7.8931

# Harmonies

## Analogous

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



42.9370, 51.3134, 25.9341



37.8348, 51.3134, 35.1045



35.6749, 51.3134, 52.1312

# Triad

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



37.8348, 51.3134, 35.1045



47.4477, 51.3134, 108.4619



63.2116, 51.3134, 40.1952

# Complementary

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



37.8348, 51.3134, 35.1045



44.8654, 35.8598, 58.5917

# 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.



64.7360, 51.3134, 59.7867



37.8348, 51.3134, 35.1045



55.1127, 51.3134, 102.8901

# Square

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



37.8348, 51.3134, 35.1045



40.8458, 51.3134, 97.2466



61.6364, 51.3134, 83.5424



57.6621, 51.3134, 28.2968



# Rectangle

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



37.8348, 51.3134, 35.1045



36.0141, 51.3134, 67.1451



61.6364, 51.3134, 83.5424



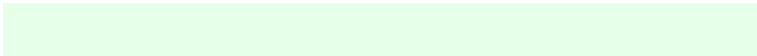
64.2344, 51.3134, 45.9363

# Sweetspot

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



37.8361, 51.3156, 35.1056



82.7777, 94.0783, 90.0315



50.2753, 57.7807, 33.3143



17.3769, 19.9722, 18.7433



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

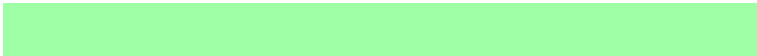


# Same Dimension

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



37.8361, 51.3156, 35.1056



56.8595, 81.5910, 49.3333



40.6755, 52.4513, 50.0574



11.1094, 12.5535, 12.1336



13.6792, 27.2170, 4.9957



0.7205, 1.4100, 0.3356



# Inverse Universe

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



44.8654, 35.8598, 58.5917



70.1268, 52.4050, 93.6514



41.5392, 34.5293, 41.0762



11.6412, 11.3852, 13.9109



21.2147, 10.2965, 29.9129

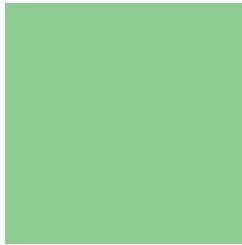


1.1078, 0.5365, 1.6135



# Previews

## White Background



This preview shows how the XYZ color 37.8348, 51.3134, 35.1045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

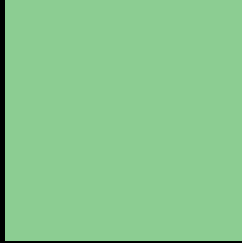
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.8348, 51.3134, 35.1045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

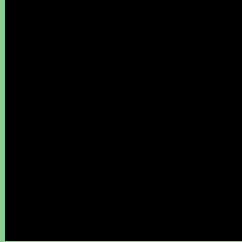
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 37.8348, 51.3134, 35.1045

## Background



This preview shows how black text looks on a background with the XYZ color 37.8348, 51.3134, 35.1045.



This preview shows how white text looks on a background with the XYZ color 37.8348, 51.3134,



# 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

37.8348, 51.3134, 35.1045

### Protanopia

47.4864, 50.9558, 31.7587

### Deuteranopia

51.6250, 50.4978, 36.3043



## Tritanopia

44.7605, 51.0056, 69.7733

# Trichromacy



## Original Color

37.8348, 51.3134, 35.1045

## Protanomaly

43.2200, 50.6865, 33.0967

## Deuteranomaly

45.3241, 50.0732, 35.7100

## Tritanomaly

41.7133, 50.7736, 55.1787

# Monochromacy



## Original Color

37.8348, 51.3134, 35.1045

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

40.4753, 46.7558, 43.4507

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8348, 51.3134, 35.1045 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(140, 205, 146)` looks like.

```
.text, #text, p{  
    color:rgb(140, 205, 146)  
}
```

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(140, 205, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 205, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8348, 51.3134, 35.1045 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(140, 205, 146) }
```



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

```
.border{ border-color:rgb(140, 205, 146) }
```

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

Here you see how a box with a 4 pixel rgb(140, 205, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 205, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 205, 146);  
box-shadow:4px 4px 4px 4px rgb(140, 205,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8348, 51.3134, 35.1045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 205, 146) }
```

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

```
.background{ background-color: rgb(140,  
205, 146) }
```

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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