

# Converting Colors

XYZ(37.0440, 50.3872, 42.4875)

Have a look what the booklet for  
XYZ(37.0440, 50.3872, 42.4875)  
contains.

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# Color

**XYZ(37.1058, 50.4193,  
42.4265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80CCA3
RGB	128, 204, 163
RGB Percent	50%, 80%, 64%
CMY	0.4980, 0.2000, 0.3608
CMYK	0.37, 0.00, 0.20, 0.20
HSL	148°, 43%, 65%
HSV	148°, 37%, 80%
XYZ	37.1058, 50.4193, 42.4265
YIQ	176.6020, -32.1350, -28.8630

# Conversions

## Conversions Part 2

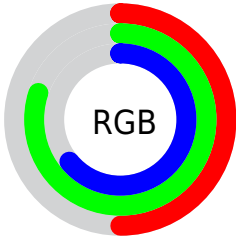
Format	Color
<b>RYB</b>	128, 180, 204
Decimal	8440995
CIELab	76.33, -32.53, 13.10
CIELCh	76, 35.066, 158.058
Yxy	50.4193, 0.2855, 0.3880
Android (android.graphics.Color)	4286631075 (0xFF80CCA3)
YUV	176.6020, -6.7058, -42.6240
Hunter-Lab	71.0065, -30.9829, 14.2787

# Details

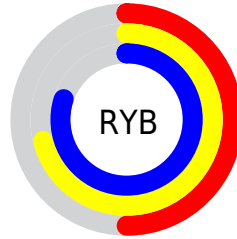
The XYZ color **37.1058, 50.4193, 42.4265** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.7841, 31.1414, 41.4522**, and the grayscale version is **41.6284, 43.7964, 47.6942**.

A 20% lighter version of the original color is **67.9433, 86.6492, 79.4737**, and **16.5183, 24.1384, 18.8275** is the 20% darker color. If you saturate the color by 10%, you get **33.3969, 48.6177, 37.3279**, and if you desaturate by 10%, it is **41.5201, 52.5774, 48.0083**.

# Distribution



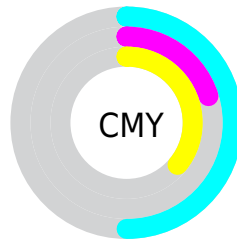
- Red (50%)
- Green (80%)
- Blue (64%)



- Red (50%)
- Yellow (71%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)




- Cyan (50%)
- Magenta (20%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1058, 50.4193, 42.4265 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 37.1058, 50.4193, 42.4265 by changing the saturation by 10% instead.





 37.1058, 50.4193,  
42.4265


 37.1058, 50.4193,  
42.4265


325.1159,  
388.3034, 372.0996


 25.4635, 35.7467,  
29.1073


 70.0483, 90.7958,  
80.1218

 16.5533, 24.2386,  
18.9158


 92.0791, 117.2685,  
105.3349

 10.0098, 15.5107,  
11.4332

 118.3035,  
148.4433, 135.3498

 5.4678, 9.1786,  
6.2412

149.0867,  
184.7047, 170.5851

 2.5618, 4.8579,  
2.9211

184.7943,  
226.4370, 211.4591

 0.9265, 2.1641,  
1.0545

225.7914,

 0.0000, 0.7003,

274.0246, 258.3905

0.0000

272.4435,  
327.8519, 311.7978

■ 0.0000, 0.0000,  
0.0000

■ 37.1058, 50.4193,  
42.4265

■ 37.1058, 50.4193,  
42.4265

■ 33.3969, 48.6177,  
37.3279

■ 41.5201, 52.5774,  
48.0083

■ 30.3501, 47.1464,  
32.6960

■ 46.6720, 55.1042,  
54.0825

■ 27.9231, 45.9852,  
28.5179


■ 52.5964, 58.0188,  
60.6625


■ 26.0671, 45.1092,  
24.7791


■ 59.3249, 61.3373,  
67.7599


■ 24.7251, 44.4894,  
21.4639


■ 66.8870, 65.0748,  
75.3860


 23.8200, 44.0862,  
18.5552

 75.3111, 69.2455,  
83.5517

 23.6118, 43.9948,  
17.8244

 78.5683, 70.7414,  
91.9843

 80.2540, 71.4157,  
100.8611

 80.8838, 71.6676,  
104.1779

# Harmonies

## Analogous

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



40.5292, 50.4193, 30.9998



37.1058, 50.4193, 42.4265



36.4415, 50.4193, 60.1423

# Triad

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



37.1058, 50.4193, 42.4265



49.7198, 50.4193, 99.2252



58.6048, 50.4193, 35.4323

# Complementary

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



37.1058, 50.4193, 42.4265



39.7841, 31.1414, 41.4522

# 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.



61.5912, 50.4193, 49.9678



37.1058, 50.4193, 42.4265



56.1633, 50.4193, 88.7064

# Square

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



37.1058, 50.4193, 42.4265



43.3425, 50.4193, 95.8952



60.6591, 50.4193, 69.6015



52.8133, 50.4193, 27.6535



# Rectangle

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



37.1058, 50.4193, 42.4265



37.5895, 50.4193, 73.7925



60.6591, 50.4193, 69.6015



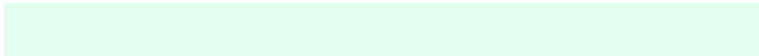
59.9931, 50.4193, 39.5401

# Sweetspot

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



37.1072, 50.4214, 42.4276



83.1313, 94.1262, 96.1215



42.0252, 53.2703, 28.4899



17.5035, 20.0042, 20.2526



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

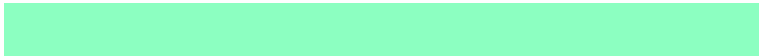


# Same Dimension

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



37.1072, 50.4214, 42.4276



56.2535, 80.9716, 63.1711



40.9453, 51.9566, 62.6392



11.2793, 12.6215, 13.0284



14.9068, 27.7080, 11.4603



0.8072, 1.4447, 0.7922



# Inverse Universe

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



39.7841, 31.1414, 41.4522



61.3338, 44.3610, 61.3041



36.7736, 29.9372, 25.5990



11.4612, 11.3132, 12.9630



17.4944, 8.8083, 10.3221

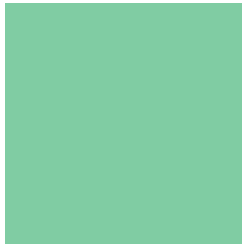


0.9406, 0.4696, 0.7329



# Previews

## White Background



This preview shows how the XYZ color 37.1058, 50.4193, 42.4265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

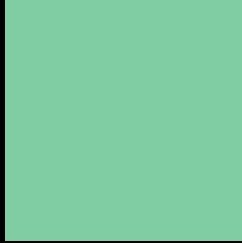
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.1058, 50.4193, 42.4265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

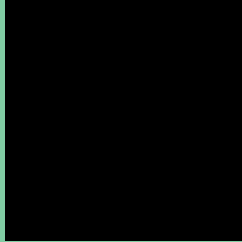
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.1058, 50.4193, 42.4265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1058, 50.4193, 42.4265.



This preview shows how white text looks on a background with the XYZ color 37.1058, 50.4193,

42.4265.

# 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

37.1058, 50.4193, 42.4265

### Protanopia

46.9754, 49.9130, 38.1686

### Deuteranopia

51.0323, 50.0210, 44.0111



## Tritanopia

42.6240, 50.2256, 70.3988

# Trichromacy



## Original Color

37.1058, 50.4193, 42.4265



## Protanomaly

42.4751, 49.4928, 39.6621



## Deuteranomaly

44.3719, 49.0934, 43.2137



## Tritanomaly

40.4963, 50.3996, 59.2235

# Monochromacy



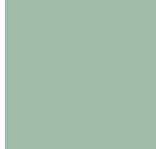
## Original Color

37.1058, 50.4193, 42.4265



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

39.5148, 45.8901, 45.8048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1058, 50.4193, 42.4265 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(128, 204, 163)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 163)  
}
```

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(128, 204, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1058, 50.4193, 42.4265 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(128, 204, 163) }
```



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

```
.border{ border-color:rgb(128, 204, 163) }
```

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

Here you see how a box with a 4 pixel rgb(128, 204, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 163);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1058, 50.4193, 42.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 163) }
```

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

```
.background{ background-color: rgb(128,  
204, 163) }
```

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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