

# Converting Colors

XYZ(54.8320, 68.3061, 53.7214)

Have a look what the booklet for  
XYZ(54.8320, 68.3061, 53.7214)  
contains.

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# Color

**XYZ(54.8040, 68.4854,  
53.5105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E4B4
RGB	180, 228, 180
RGB Percent	71%, 89%, 71%
CMY	0.2941, 0.1059, 0.2941
CMYK	0.21, 0.00, 0.21, 0.11
HSL	120°, 47%, 80%
HSV	120°, 21%, 89%
XYZ	54.8040, 68.4854, 53.5105
YIQ	208.1760, -13.2000, -25.1040

# Conversions

## Conversions Part 2

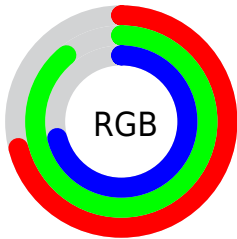
Format	Color
<a href="#">RYB</a>	<a href="#">180, 228, 228</a>
Decimal	<a href="#">11855028</a>
CIELab	<a href="#">86.25, -24.57, 18.46</a>
CIELCh	<a href="#">86, 30.729, 143.076</a>
Yxy	<a href="#">68.4854, 0.3100, 0.3874</a>
Android (android.graphics.Color)	<a href="#">4290045108 (0xFFB4E4B4)</a>
YUV	<a href="#">208.1760, -13.8908, -24.7104</a>
Hunter-Lab	<a href="#">82.7559, -26.6136, 19.5918</a>

# Details

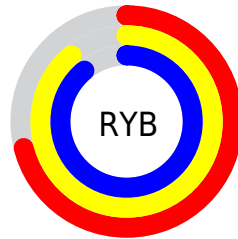
The XYZ color **54.8040, 68.4854, 53.5105** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **62.3221, 54.7394, 80.6829**, and the grayscale version is **60.1633, 63.2965, 68.9299**.

A 20% lighter version of the original color is **85.4924, 95.4090, 93.2667**, and **27.1875, 35.4730, 25.4927** is the 20% darker color. If you saturate the color by 10%, you get **47.7916, 65.1190, 42.0390**, and if you desaturate by 10%, it is **63.0753, 72.4605, 67.0382**.

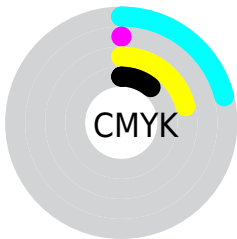
# Distribution



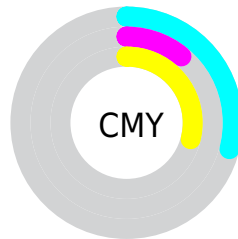
- Red (71%)
- Green (89%)
- Blue (71%)



- Red (71%)
- Yellow (89%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8040, 68.4854, 53.5105 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 54.8040, 68.4854, 53.5105 by changing the saturation by 10% instead.



■ 54.8040, 68.4854,  
53.5105

■ 54.8040, 68.4854,  
53.5105

395.3170,  
455.2139, 417.3624

■ 39.4780, 50.2927,  
37.8199

■ 96.4037, 117.0463,  
96.8043

■ 27.3142, 35.6460,  
25.5422

123.4082,  
148.1833, 125.2446

■ 17.9472, 24.1610,  
16.2588

155.0362,  
184.4038, 158.7719

■ 11.0115, 15.4531,  
9.5511

191.6532,  
226.0923, 197.8048

■ 6.1419, 9.1380,  
5.0007

233.6243,  
273.6332, 242.7617

■ 2.9731, 4.8313,  
2.1889


281.3152,

■ 1.1395, 2.1486,


327.4108, 294.0612


0.6680


335.0909,  
387.8096, 352.1219


 0.0578, 0.6918,  
0.0000


 0.0000, 0.0000,  
0.0000


 54.8040, 68.4854,  
53.5105


 54.8040, 68.4854,  
53.5105


 47.7916, 65.1190,  
42.0390


 63.0753, 72.4605,  
67.0382

 41.9713, 62.3232,  
32.5189

 72.6571, 77.0632,  
82.7109

 37.2785, 60.0690,  
24.8428

 83.6048, 82.3220,  
100.6178

 33.6402, 58.3214,  
18.8916

 87.0348, 83.9695,  
106.2283

■ 30.9748, 57.0411,  
14.5319

■ 29.1891, 56.1833,  
11.6109

■ 28.1713, 55.6944,  
9.9460

■ 27.7448, 55.4895,  
9.2484

# Harmonies

## Analogous

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



59.9012, 68.4854, 44.1403



54.8040, 68.4854, 53.5105



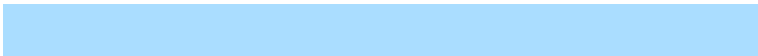
52.4910, 68.4854, 69.9662

# Triad

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



54.8040, 68.4854, 53.5105



63.4657, 68.4854, 120.3632



78.4402, 68.4854, 60.3056

# Complementary

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



54.8040, 68.4854, 53.5105



62.3221, 54.7394, 80.6829

# 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.



79.5667, 68.4854, 79.3693



54.8040, 68.4854, 53.5105



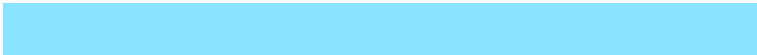
70.5771, 68.4854, 116.5033

# Square

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



54.8040, 68.4854, 53.5105



57.2515, 68.4854, 110.2878



76.5961, 68.4854, 100.5336



73.6204, 68.4854, 47.5380



# Rectangle

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



54.8040, 68.4854, 53.5105



52.7111, 68.4854, 83.7435



76.5961, 68.4854, 100.5336



79.2770, 68.4854, 66.0902

# Sweetspot

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



54.8058, 68.4883, 53.5120



87.2771, 96.2663, 96.1860



67.9796, 75.2796, 54.1281



18.5080, 20.5219, 20.3049



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

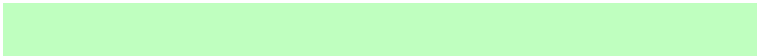


# Same Dimension

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



54.8058, 68.4883, 53.5120



66.7404, 86.4015, 62.5947



57.4669, 69.5527, 67.5248



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946



# Inverse Universe

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



62.3221, 54.7394, 80.6829



77.9752, 65.8507, 103.2076



59.2174, 53.4975, 64.3336



14.9952, 14.6153, 18.1750



26.5610, 12.7586, 43.4445

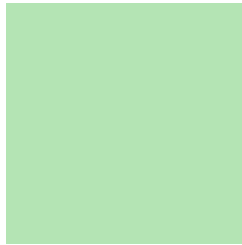


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 54.8040, 68.4854, 53.5105 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 54.8040, 68.4854, 53.5105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

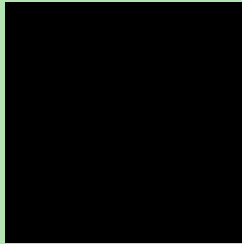
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.8040, 68.4854, 53.5105**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8040, 68.4854, 53.5105.



This preview shows how white text looks on a background with the XYZ color 54.8040, 68.4854,



# 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

54.8040, 68.4854, 53.5105

### Protanopia

63.9353, 68.1509, 49.8291

### Deuteranopia

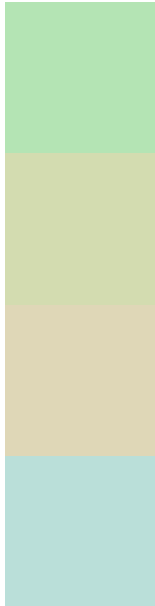
69.3223, 67.8605, 54.7921



## Tritanopia

62.2610, 68.3066, 90.7919

# Trichromacy



## Original Color

54.8040, 68.4854, 53.5105

## Protanomaly

60.2936, 68.1699, 51.0546

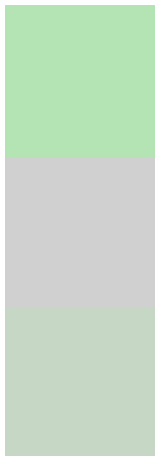
## Deuteranomaly

63.2791, 67.7078, 54.5335

## Tritanomaly

59.1618, 68.2242, 75.6961

# Monochromacy



## Original Color

54.8040, 68.4854, 53.5105

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

57.7822, 64.6839, 62.8659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8040, 68.4854, 53.5105 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(180, 228, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 180)  
}
```

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(180, 228, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8040, 68.4854, 53.5105 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(180, 228, 180) }
```



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

```
.border{ border-color:rgb(180, 228, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8040, 68.4854, 53.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 180) }
```

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

```
.background{ background-color: rgb(180,  
228, 180) }
```

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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