

# Converting Colors

XYZ(54.1668, 67.3470, 41.2312)

Have a look what the booklet for  
XYZ(54.1668, 67.3470, 41.2312)  
contains.

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# Color

**XYZ(54.0768, 67.1641,  
41.1242)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">BEE19B</a>
RGB	<a href="#">190, 225, 155</a>
RGB Percent	<a href="#">75%, 88%, 61%</a>
CMY	<a href="#">0.2549, 0.1176, 0.3921</a>
CMYK	<a href="#">0.16, 0.00, 0.31, 0.12</a>
HSL	<a href="#">90°, 54%, 75%</a>
HSV	<a href="#">90°, 31%, 88%</a>
XYZ	<a href="#">54.0768, 67.1641, 41.1242</a>
YIQ	<a href="#">206.5550, 1.6100, -29.1900</a>

# Conversions

## Conversions Part 2

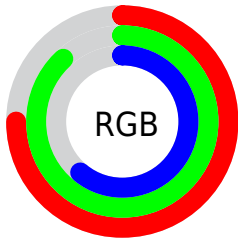
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 225, 190
Decimal	12509595
CIELab	85.59, -23.56, 30.58
CIELCh	86, 38.605, 127.614
Yxy	67.1641, 0.3331, 0.4137
Android (android.graphics.Color)	4290699675 (0xFFBEE19B)
YUV	206.5550, -25.4166, -14.5187
Hunter-Lab	81.9537, -25.6365, 27.6160

# Details

The XYZ color **54.0768, 67.1641, 41.1242** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.5499, 39.8280, 76.4719**, and the grayscale version is **59.1809, 62.2629, 67.8043**.

A 20% lighter version of the original color is **85.7506, 95.9473, 74.9729**, and **26.9762, 34.9630, 18.1587** is the 20% darker color. If you saturate the color by 10%, you get **49.6584, 65.0867, 31.9560**, and if you desaturate by 10%, it is **59.0678, 69.5000, 52.1599**.

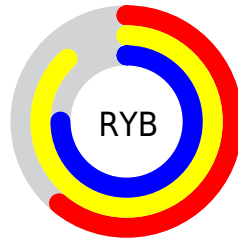
# Distribution



Red (75%)

Green (88%)

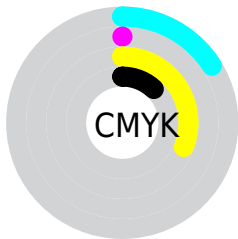
Blue (61%)



Red (61%)

Yellow (88%)

Blue (75%)

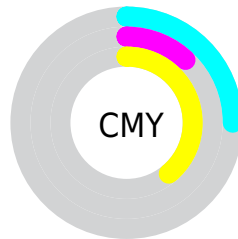


Cyan (16%)

Magenta (0%)

Yellow (31%)

Black (12%)



Cyan (25%)

Magenta (12%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0768, 67.1641, 41.1242 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 54.0768, 67.1641, 41.1242 by changing the saturation by 10% instead.





 54.0768, 67.1641,  
41.1242


 54.0768, 67.1641,  
41.1242


392.5964,  
450.5287, 366.5314

 38.8940, 49.2180,  
28.0957


 95.3432, 115.1555,  
78.1281

 26.8576, 34.7924,  
18.1582

 122.1576,  
145.9696, 102.9406

 17.6023, 23.5030,  
10.8930


153.5798,  
181.8419, 132.5182

 10.7628, 14.9654,  
5.8816

189.9752,  
223.1566, 167.2794

 5.9737, 8.7951,  
2.7056

231.7092,  
270.2983, 207.6428

 2.8696, 4.6078,  
0.9463

279.1472,

 1.0852, 2.0190,

323.6512, 254.0269

0.0000

332.6545,  
383.5999, 306.8503

0.0127, 0.6185,  
0.0000

0.0000, 0.0000,  
0.0000

54.0768, 67.1641,  
41.1242

54.0768, 67.1641,  
41.1242

49.6584, 65.0867,  
31.9560

59.0678, 69.5000,  
52.1599

45.7829, 63.2488,  
24.5475

64.6489, 72.0954,  
65.1541

42.4255, 61.6421,  
18.7865

70.8434, 74.9622,  
80.1971

39.5570, 60.2542,  
14.5464

77.6715, 78.1091,  
97.3725

■ 37.1443, 59.0713,  
11.6819

■ 83.0728, 80.7125,  
105.8084

■ 35.1489, 58.0773,  
10.0193

■ 86.2166, 82.3332,  
105.9555

■ 33.6715, 57.3303,  
9.2912

# Harmonies

## Analogous

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



61.6263, 67.1641, 34.9092



54.0768, 67.1641, 41.1242



49.4635, 67.1641, 56.2168

# Triad

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



54.0768, 67.1641, 41.1242



57.6206, 67.1641, 127.5733



82.0781, 67.1641, 66.9085

# Complementary

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



54.0768, 67.1641, 41.1242



46.5499, 39.8280, 76.4719

# Split Complementary

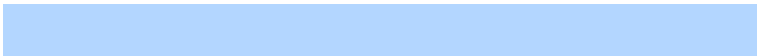
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7568, 67.1641, 93.1356



54.0768, 67.1641, 41.1242



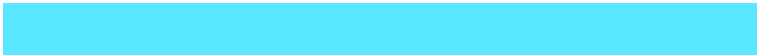
66.1008, 67.1641, 132.2934

# Square

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



54.0768, 67.1641, 41.1242



51.3749, 67.1641, 106.7920



74.7072, 67.1641, 118.5120



78.1682, 67.1641, 47.4091



# Rectangle

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



54.0768, 67.1641, 41.1242



48.4100, 67.1641, 71.1355



74.7072, 67.1641, 118.5120



82.2370, 67.1641, 75.1620

# Sweetspot

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



54.0785, 67.1670, 41.1257



87.4758, 96.4971, 90.3965



55.3838, 55.2035, 38.7477



18.4750, 20.5392, 18.7541



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

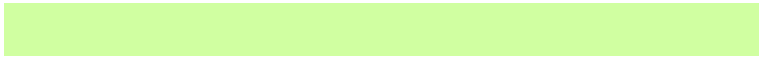


# Same Dimension

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



54.0785, 67.1670, 41.1257



68.1242, 87.4648, 46.8485



46.3612, 63.1886, 40.7645



14.1784, 15.6721, 14.5845



19.5369, 33.1042, 5.3600



1.4575, 2.3478, 0.3764



# Inverse Universe

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



46.5499, 39.8280, 76.4719



56.6982, 45.9727, 100.4930



56.3659, 44.8883, 76.9313



13.6018, 13.5783, 17.2917



11.8544, 5.2065, 41.4285



0.9249, 0.4141, 2.8764



# Previews

## White Background



This preview shows how the XYZ color 54.0768, 67.1641, 41.1242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

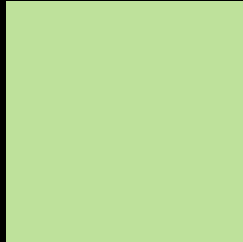
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.0768, 67.1641, 41.1242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

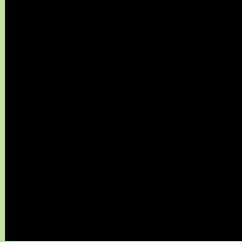
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 54.0768, 67.1641, 41.1242

## Background



This preview shows how black text looks on a background with the XYZ color 54.0768, 67.1641, 41.1242.



This preview shows how white text looks on a background with the XYZ color 54.0768, 67.1641,



# 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

54.0768, 67.1641, 41.1242

### Protanopia

61.9324, 66.6135, 38.4477

### Deuteranopia

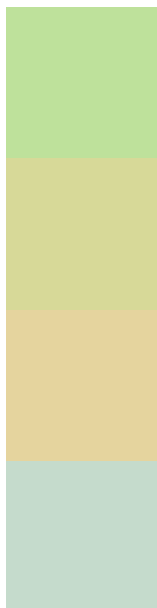
68.2342, 66.8613, 42.1101



## Tritanopia

62.9533, 66.8446, 85.9282

# Trichromacy



## Original Color

54.0768, 67.1641, 41.1242

## Protanomaly

58.5047, 66.3398, 39.4271

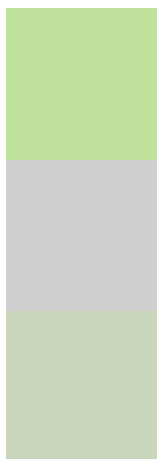
## Deuteranomaly

62.0281, 66.2136, 41.8590

## Tritanomaly

59.2566, 66.8930, 66.9152

# Monochromacy



## Original Color

54.0768, 67.1641, 41.1242

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

57.2111, 64.1415, 56.9422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0768, 67.1641, 41.1242 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(190, 225, 155)` looks like.

```
.text, #text, p{  
    color:rgb(190, 225, 155)  
}
```

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(190, 225, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 225, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0768, 67.1641, 41.1242 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(190, 225, 155) }
```



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

```
.border{ border-color:rgb(190, 225, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 225, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 225, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 225, 155);  
box-shadow:4px 4px 4px 4px rgb(190, 225,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0768, 67.1641, 41.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 225, 155) }
```

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

```
.background{ background-color: rgb(190,  
225, 155) }
```

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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