

# Converting Colors

XYZ(54.4659, 71.8114, 49.9712)

Have a look what the booklet for  
XYZ(54.4659, 71.8114, 49.9712)  
contains.

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# Color

**XYZ(54.4551, 71.7401,  
50.0069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACECAC
RGB	172, 236, 172
RGB Percent	67%, 93%, 67%
CMY	0.3255, 0.0745, 0.3255
CMYK	0.27, 0.00, 0.27, 0.07
HSL	120°, 63%, 80%
HSV	120°, 27%, 93%
XYZ	54.4551, 71.7401, 50.0069
YIQ	209.5680, -17.6000, -33.4720

# Conversions

## Conversions Part 2

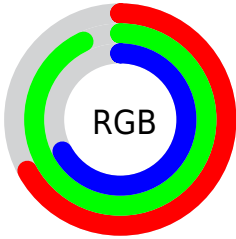
Format	Color
<a href="#">RYB</a>	<a href="#">172, 236, 236</a>
Decimal	<a href="#">11332780</a>
CIELab	<a href="#">87.84, -32.32, 24.73</a>
CIELCh	<a href="#">88, 40.701, 142.579</a>
Yxy	<a href="#">71.7401, 0.3090, 0.4071</a>
Android (android.graphics.Color)	<a href="#">4289522860 (0xFFACECAC)</a>
YUV	<a href="#">209.5680, -18.5210, -32.9471</a>
Hunter-Lab	<a href="#">84.6995, -33.4628, 24.2846</a>

# Details

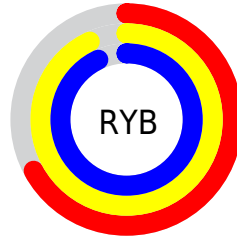
The XYZ color **54.4551, 71.7401, 50.0069** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4873, 53.3955, 86.2673**, and the grayscale version is **61.1027, 64.2848, 70.0061**.

A 20% lighter version of the original color is **82.0767, 93.7794, 87.1741**, and **27.1222, 37.8260, 23.3244** is the 20% darker color. If you saturate the color by 10%, you get **47.6594, 68.4779, 38.8898**, and if you desaturate by 10%, it is **62.5769, 75.6436, 63.2901**.

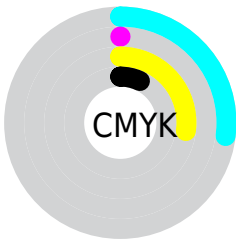
# Distribution



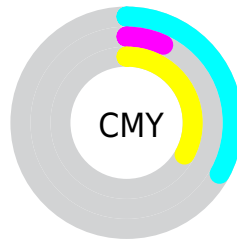
- Red (67%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)



- Cyan (33%)
- Magenta (7%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4551, 71.7401, 50.0069 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 54.4551, 71.7401, 50.0069 by changing the saturation by 10% instead.



■ 54.4551, 71.7401,  
50.0069

■ 54.4551, 71.7401,  
50.0069

394.0132,  
466.6365, 403.4288

■ 39.1977, 52.9464,  
35.0477

■ 95.8951, 121.6869,  
91.5815

■ 27.0950, 37.7600,  
23.4157

122.8085,  
153.6089, 119.0340

■ 17.7815, 25.7965,  
14.6926

154.3379,  
190.6757, 151.4879

■ 10.8920, 16.6714,  
8.4597

190.8487,  
233.2717, 189.3619

■ 6.0610, 10.0005,  
4.2985

232.7063,  
281.7815, 233.0744

■ 2.9232, 5.3993,  
1.7905


280.2760,


■ 1.1133, 2.4834,


336.5892, 283.0440


0.4217


333.9232,  
398.0794, 339.6893


 0.0362, 0.8683,  
0.0000


 0.0000, 0.0000,  
0.0000


 54.4551, 71.7401,  
50.0069


 54.4551, 71.7401,  
50.0069


 47.6594, 68.4779,  
38.8898

 62.5769, 75.6436,  
63.2901


 42.1142, 65.8143,  
29.8196

 72.0840, 80.2103,  
78.8405

 37.7449, 63.7155,  
22.6728

 83.0388, 85.4724,  
96.7589

 34.4669, 62.1409,  
17.3109

 89.2869, 88.4737,  
106.9790

■ 32.1840, 61.0443,  
13.5767

■ 30.7835, 60.3716,  
11.2858

■ 30.1192, 60.0525,  
10.1992

■ 29.9969, 59.9937,  
9.9991

# Harmonies

## Analogous

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



61.2912, 71.7401, 38.5264



54.4551, 71.7401, 50.0069



51.3547, 71.7401, 71.4322

# Triad

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



54.4551, 71.7401, 50.0069



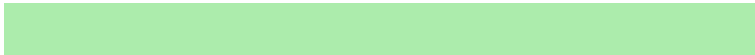
65.8124, 71.7401, 143.7422



86.8447, 71.7401, 59.3919

# Complementary

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



54.4551, 71.7401, 50.0069



64.4873, 53.3955, 86.2673

# 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.



88.3454, 71.7401, 85.1974



54.4551, 71.7401, 50.0069



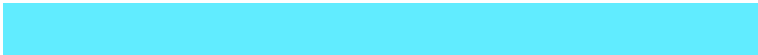
75.5811, 71.7401, 138.3494

# Square

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



54.4551, 71.7401, 50.0069



57.4966, 71.7401, 128.5195



84.0523, 71.7401, 115.1624



80.1262, 71.7401, 42.9832



# Rectangle

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



54.4551, 71.7401, 50.0069



51.5957, 71.7401, 90.2986



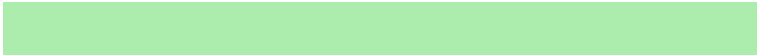
84.0523, 71.7401, 115.1624



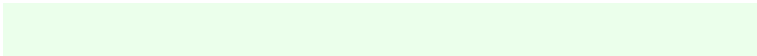
88.0004, 71.7401, 67.0758

# Sweetspot

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



54.4570, 71.7431, 50.0085



84.8267, 95.0892, 92.1781



72.0370, 80.8060, 50.8307



17.7717, 20.1682, 19.1006



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

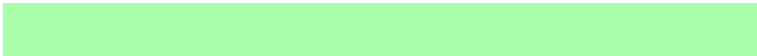


# Same Dimension

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



54.4570, 71.7431, 50.0085



59.8585, 83.0957, 51.3381



57.9098, 73.1243, 68.1909



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328



# Inverse Universe

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



64.4873, 53.3955, 86.2673



73.8244, 57.5491, 101.8236



60.2459, 51.6990, 63.9322



15.7149, 15.3138, 19.0498



27.4131, 13.1679, 44.8381

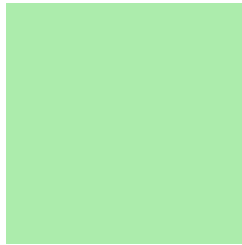


2.1526, 1.0340, 3.5209



# Previews

## White Background



This preview shows how the XYZ color 54.4551, 71.7401, 50.0069 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 54.4551, 71.7401, 50.0069 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 54.4551, 71.7401, 50.0069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4551, 71.7401, 50.0069.



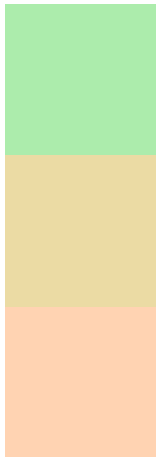
This preview shows how white text looks on a background with the XYZ color 54.4551, 71.7401,

50.0069.

# 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

54.4551, 71.7401, 50.0069

### Protanopia

66.2933, 71.0055, 45.3334

### Deuteranopia

72.5701, 71.0629, 52.0111



## Tritanopia

63.9581, 71.8450, 96.8827

# Trichromacy



## Original Color

54.4551, 71.7401, 50.0069



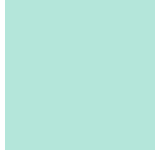
## Protanomaly

61.0516, 70.6375, 46.9759



## Deuteranomaly

64.4810, 70.3285, 51.2505



## Tritanomaly

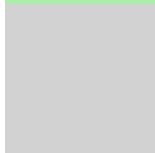
59.7741, 71.3589, 76.9529

# Monochromacy



## Original Color

54.4551, 71.7401, 50.0069



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.0603, 66.3843, 61.9779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4551, 71.7401, 50.0069 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(172, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 236, 172)  
}
```

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(172, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 236, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4551, 71.7401, 50.0069 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(172, 236, 172) }
```



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

```
.border{ border-color:rgb(172, 236, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 236, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 236,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4551, 71.7401, 50.0069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 236, 172) }
```

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

```
.background{ background-color: rgb(172,  
236, 172) }
```

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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