

# Converting Colors

XYZ(55.9677, 71.4356, 58.5131)

Have a look what the booklet for  
XYZ(55.9677, 71.4356, 58.5131)  
contains.

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# Color

**XYZ(55.9555, 71.4751,  
58.4239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEABC
RGB	174, 234, 188
RGB Percent	68%, 92%, 74%
CMY	0.3176, 0.0823, 0.2627
CMYK	0.26, 0.00, 0.20, 0.08
HSL	134°, 59%, 80%
HSV	134°, 26%, 92%
XYZ	55.9555, 71.4751, 58.4239
YIQ	210.8160, -20.9940, -27.0260

# Conversions

## Conversions Part 2

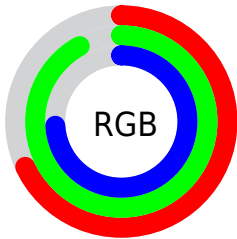
Format	Color
<a href="#">RYB</a>	<a href="#">174, 223, 234</a>
Decimal	<a href="#">11463356</a>
CIELab	<a href="#">87.72, -27.99, 16.30</a>
CIElCh	<a href="#">88, 32.393, 149.789</a>
Yxy	<a href="#">71.4751, 0.3011, 0.3846</a>
Android (android.graphics.Color)	<a href="#">4289653436 (0xFFAEEABC)</a>
YUV	<a href="#">210.8160, -11.2483, -32.2876</a>
Hunter-Lab	<a href="#">84.5429, -29.8083, 18.2074</a>

# Details

The XYZ color **55.9555, 71.4751, 58.4239** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.9885, 52.9335, 74.6632**, and the grayscale version is **61.8788, 65.1013, 70.8953**.

A 20% lighter version of the original color is **84.7223, 94.8746, 99.4352**, and **28.0393, 37.5831, 28.6981** is the 20% darker color. If you saturate the color by 10%, you get **49.3743, 68.2941, 48.6405**, and if you desaturate by 10%, it is **63.6892, 75.2264, 69.5193**.

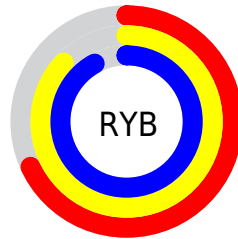
# Distribution



Red (68%)

Green (92%)

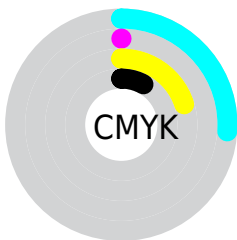
Blue (74%)



Red (68%)

Yellow (87%)

Blue (92%)

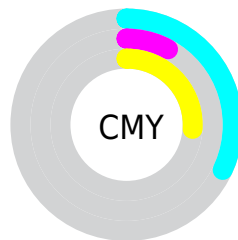


Cyan (26%)

Magenta (0%)

Yellow (20%)

Black (8%)



Cyan (32%)

Magenta (8%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9555, 71.4751, 58.4239 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 55.9555, 71.4751, 58.4239 by changing the saturation by 10% instead.



■ 55.9555, 71.4751,  
58.4239

■ 55.9555, 71.4751,  
58.4239

399.6015,  
465.7125, 436.4059

■ 40.4041, 52.7300,  
41.7326

■ 98.0797, 121.3100,  
104.0608

■ 28.0394, 37.5873,  
28.5679

125.3832,  
153.1685, 133.8434

■ 18.4959, 25.6625,  
18.5115

157.3348,  
190.1670, 168.8269

■ 11.4085, 16.5713,  
11.1446

194.2999,  
232.6899, 209.4297

■ 6.4116, 9.9293,  
6.0488

236.6437,  
281.1215, 256.0705

■ 3.1400, 5.3521,  
2.8055


284.7317,

■ 1.2282, 2.4553,


335.8462, 309.1678

0.9962


338.9292,  
397.2484, 369.1401


 0.1285, 0.8541,  
0.0000


 0.0000, 0.0000,  
0.0000


 55.9555, 71.4751,  
58.4239


 55.9555, 71.4751,  
58.4239


 49.3743, 68.2941,  
48.6405


 63.6892, 75.2264,  
69.5193


 43.8839, 65.6467,  
40.1159

 72.6216, 79.5650,  
81.9679

 39.4256, 63.5057,  
32.8002

 82.8034, 84.5180,  
95.8149

 35.9327, 61.8378,  
26.6383

 88.7142, 87.3283,  
106.7881

■ 33.3302, 60.6057,  
21.5709

■ 31.5320, 59.7661,  
17.5333

■ 30.4328, 59.2665,  
14.4535

■ 30.1042, 59.1203,  
13.3890

# Harmonies

## Analogous

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



60.8592, 71.4751, 46.5876



55.9555, 71.4751, 58.4239



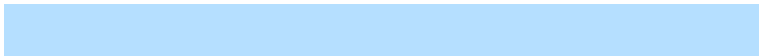
54.2116, 71.4751, 77.6688

# Triad

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



55.9555, 71.4751, 58.4239



67.8807, 71.4751, 128.2412



81.5740, 71.4751, 58.6467

# Complementary

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



55.9555, 71.4751, 58.4239



61.9885, 52.9335, 74.6632

# 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.



83.7983, 71.4751, 77.9798



55.9555, 71.4751, 58.4239



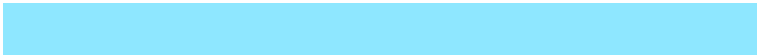
75.5389, 71.4751, 120.6016

# Square

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



55.9555, 71.4751, 58.4239



60.7718, 71.4751, 120.3935



81.5126, 71.4751, 101.1042



75.6399, 71.4751, 46.6982



# Rectangle

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



55.9555, 71.4751, 58.4239



54.9653, 71.4751, 93.0393



81.5126, 71.4751, 101.1042



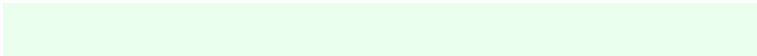
82.7994, 71.4751, 64.3655

# Sweetspot

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



55.9574, 71.4781, 58.4255



85.5222, 95.3674, 95.8406



66.8843, 77.2771, 51.4361



17.9452, 20.2376, 20.0144



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

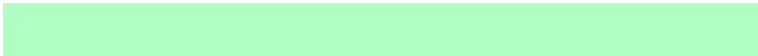


# Same Dimension

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



55.9574, 71.4781, 58.4255



63.4352, 84.6571, 64.2686



59.4050, 72.8571, 76.5801



15.0123, 16.9198, 16.7478



16.9563, 33.2370, 7.7351



1.3677, 2.6244, 0.7984



# Inverse Universe

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



61.9885, 52.9335, 74.6632



71.9767, 58.3795, 87.2555



58.4739, 51.5277, 56.1556



15.5557, 15.2502, 18.2118



23.7138, 11.6882, 25.3581

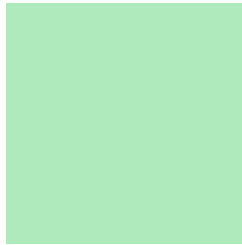


1.8985, 0.9324, 2.1828



# Previews

## White Background



This preview shows how the XYZ color 55.9555, 71.4751, 58.4239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

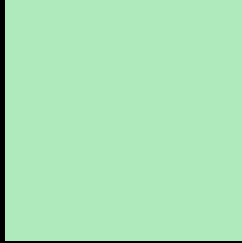
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9555, 71.4751, 58.4239 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 55.9555, 71.4751, 58.4239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9555, 71.4751, 58.4239.



This preview shows how white text looks on a background with the XYZ color 55.9555, 71.4751,

58.4239.

# 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

55.9555, 71.4751, 58.4239

### Protanopia

66.8484, 71.1141, 53.3831

### Deuteranopia

72.3442, 70.7628, 60.2977



## Tritanopia

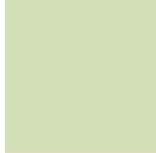
63.2927, 71.1147, 95.9786

# Trichromacy



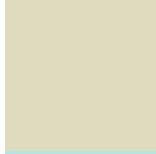
## Original Color

55.9555, 71.4751, 58.4239



## Protanomaly

62.0669, 70.5791, 55.1516



## Deuteranomaly

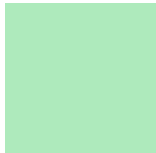
64.8597, 69.9542, 59.3743



## Tritanomaly

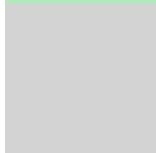
60.2962, 71.1237, 81.0713

# Monochromacy



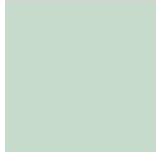
## Original Color

55.9555, 71.4751, 58.4239



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.3997, 66.9806, 66.2978

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9555, 71.4751, 58.4239 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(174, 234, 188)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 188)  
}
```

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(174, 234, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9555, 71.4751, 58.4239 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(174, 234, 188) }
```



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

```
.border{ border-color:rgb(174, 234, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 188);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9555, 71.4751, 58.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 188) }
```

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

```
.background{ background-color: rgb(174,  
234, 188) }
```

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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