

# Converting Colors

XYZ(56.0139, 75.4089, 47.4756)

Have a look what the booklet for  
XYZ(56.0139, 75.4089, 47.4756)  
contains.

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# Color

**XYZ(55.8686, 75.1417,  
47.6356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADF2A6
RGB	173, 242, 166
RGB Percent	68%, 95%, 65%
CMY	0.3216, 0.0510, 0.3490
CMYK	0.29, 0.00, 0.31, 0.05
HSL	114°, 75%, 80%
HSV	114°, 31%, 95%
XYZ	55.8686, 75.1417, 47.6356
YIQ	212.7050, -16.7280, -38.2640

# Conversions

## Conversions Part 2

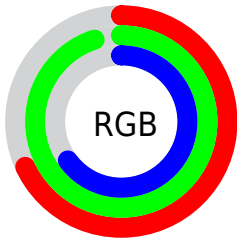
Format	Color
<a href="#">RYB</a>	<a href="#">166, 242, 235</a>
Decimal	<a href="#">11399846</a>
CIELab	<a href="#">89.46, -35.73, 30.00</a>
CIElCh	<a href="#">89, 46.651, 139.982</a>
Yxy	<a href="#">75.1417, 0.3127, 0.4206</a>
Android (android.graphics.Color)	<a href="#">4289589926 (0xFFADF2A6)</a>
YUV	<a href="#">212.7050, -23.0256, -34.8213</a>
Hunter-Lab	<a href="#">86.6843, -36.6531, 28.0974</a>

# Details

The XYZ color **55.8686, 75.1417, 47.6356** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63.9276, 51.3477, 90.5502**, and the grayscale version is **63.2073, 66.4990, 72.4174**.

A 20% lighter version of the original color is **81.5779, 93.6169, 82.8775**, and **27.8008, 39.7417, 21.8284** is the 20% darker color. If you saturate the color by 10%, you get **49.3891, 72.0364, 36.8146**, and if you desaturate by 10%, it is **63.5688, 78.8324, 60.6973**.

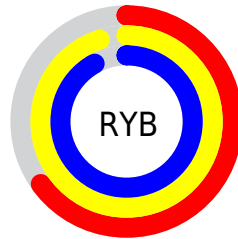
# Distribution



Red (68%)

Green (95%)

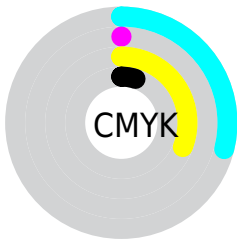
Blue (65%)



Red (65%)

Yellow (95%)

Blue (92%)

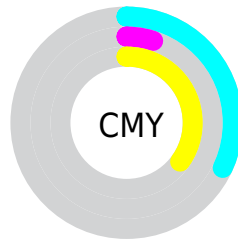


Cyan (29%)

Magenta (0%)

Yellow (31%)

Black (5%)



Cyan (32%)

Magenta (5%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8686, 75.1417, 47.6356 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 55.8686, 75.1417, 47.6356 by changing the saturation by 10% instead.





 55.8686, 75.1417,  
47.6356


 55.8686, 75.1417,  
47.6356


399.2792,  
478.4045, 393.8129

 40.3342, 55.7290,  
33.1805


 97.9534, 126.5129,  
88.0215

 27.9846, 39.9857,  
21.9925


 125.2344,  
159.2402, 114.7893

 18.4544, 27.5274,  
13.6531


157.1617,  
197.1745, 146.4985

 11.3784, 17.9697,  
7.7438

194.1005,  
240.7002, 183.5675

 6.3911, 10.9282,  
3.8460

236.4164,  
290.2016, 226.4149

 3.1272, 6.0186,  
1.5413


284.4745,


 1.2214, 2.8564,


346.0632, 275.4592


0.2484


338.6403,  
408.6694, 331.1190


 0.1232, 1.0572,  
0.0000


 0.0000, 0.0000,  
0.0000


 55.8686, 75.1417,  
47.6356


 55.8686, 75.1417,  
47.6356


 49.3891, 72.0364,  
36.8146


 63.5688, 78.8324,  
60.6973

 44.0619, 69.4774,  
28.1038

 72.5418, 83.1263,  
76.1104

 39.8208, 67.4358,  
21.3669

 82.8438, 88.0522,  
93.9843

 36.5906, 65.8760,  
16.4497

 91.0437, 91.9873,  
107.5646

■ 34.2862, 64.7582,  
13.1751

■ 32.8083, 64.0356,  
11.3307

■ 32.0908, 63.6811,  
10.6003

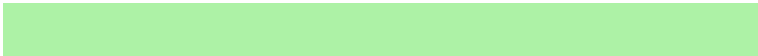
# Harmonies

## Analogous

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



64.1660, 75.1417, 35.7564



55.8686, 75.1417, 47.6356



51.8808, 75.1417, 71.3437

# Triad

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



55.8686, 75.1417, 47.6356



67.6628, 75.1417, 160.8196



94.1424, 75.1417, 62.1277

# Complementary

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



55.8686, 75.1417, 47.6356



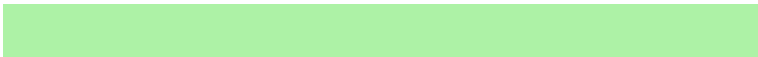
63.9276, 51.3477, 90.5502

# 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.



95.3359, 75.1417, 93.2672



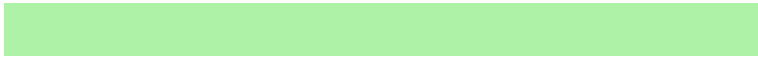
55.8686, 75.1417, 47.6356



79.2009, 75.1417, 156.4178

# Square

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



55.8686, 75.1417, 47.6356



58.1931, 75.1417, 140.1432



89.6185, 75.1417, 129.3590

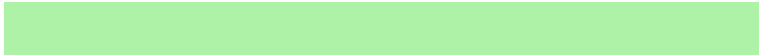


86.5130, 75.1417, 42.4433



# Rectangle

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



55.8686, 75.1417, 47.6356



51.8789, 75.1417, 93.2258



89.6185, 75.1417, 129.3590



95.3387, 75.1417, 71.3784

# Sweetspot

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



55.8705, 75.1449, 47.6373



84.3179, 94.8691, 90.2487



73.0411, 80.7079, 47.8060



17.7011, 20.1402, 18.7179



0.0000, 0.0000, 0.0000

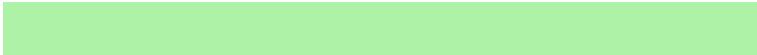


20.3446, 21.4041, 23.3091

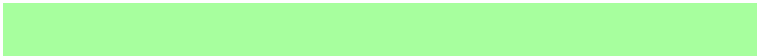


# Same Dimension

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



55.8705, 75.1449, 47.6373



57.8813, 82.2100, 45.2104



57.4898, 75.6185, 64.0315



15.7008, 17.7259, 16.7436



17.2870, 34.2333, 5.6966



1.4837, 2.8714, 0.4760



# Inverse Universe

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



63.9276, 51.3477, 90.5502



68.3272, 51.3147, 100.9112



62.0901, 50.8850, 68.5751



16.3024, 15.9531, 19.9416



24.4817, 11.6262, 46.0816

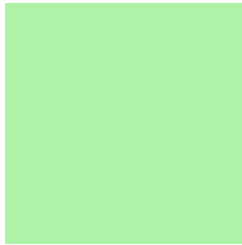


2.0782, 0.9886, 3.8355



# Previews

## White Background



This preview shows how the XYZ color 55.8686, 75.1417, 47.6356 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 55.8686, 75.1417, 47.6356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

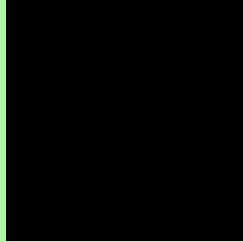
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.8686, 75.1417, 47.6356

## Background



This preview shows how black text looks on a background with the XYZ color 55.8686, 75.1417, 47.6356.



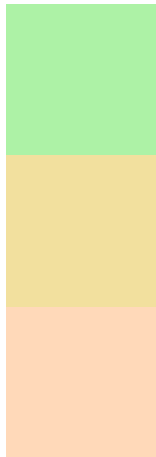
This preview shows how white text looks on a background with the XYZ color 55.8686, 75.1417,

47.6356.

# 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

55.8686, 75.1417, 47.6356

### Protanopia

69.4452, 74.6572, 43.0979

### Deuteranopia

74.8098, 74.3885, 56.3145



## Tritanopia

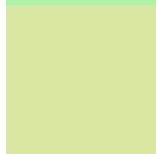
66.5703, 74.7453, 101.3611

# Trichromacy



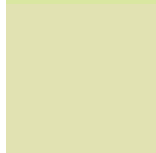
## Original Color

55.8686, 75.1417, 47.6356



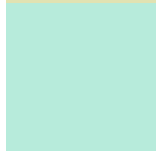
## Protanomaly

63.6242, 74.4768, 44.7403



## Deuteranomaly

66.2836, 73.6146, 52.8350



## Tritanomaly

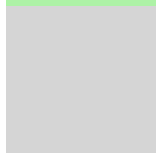
62.0230, 74.5984, 78.1478

# Monochromacy



## Original Color

55.8686, 75.1417, 47.6356



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

59.9082, 69.3026, 62.4438

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8686, 75.1417, 47.6356 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(173, 242, 166)` looks like.

```
.text, #text, p{  
    color:rgb(173, 242, 166)  
}
```

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(173, 242, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 242, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8686, 75.1417, 47.6356 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(173, 242, 166) }
```



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

```
.border{ border-color:rgb(173, 242, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 242, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 242, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 242, 166);  
box-shadow:4px 4px 4px 4px rgb(173, 242,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8686, 75.1417, 47.6356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 242, 166) }
```

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

```
.background{ background-color: rgb(173,  
242, 166) }
```

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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