

# Converting Colors

XYZ(56.1555, 76.1886, 47.3435)

Have a look what the booklet for  
XYZ(56.1555, 76.1886, 47.3435)  
contains.

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# Color

**XYZ(56.1555, 76.1886,  
47.3435)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACF4A5
RGB	172, 244, 165
RGB Percent	67%, 96%, 65%
CMY	0.3255, 0.0431, 0.3529
CMYK	0.30, 0.00, 0.32, 0.04
HSL	115°, 78%, 80%
HSV	115°, 32%, 96%
XYZ	56.1555, 76.1886, 47.3435
YIQ	213.4660, -17.5530, -39.8330

# Conversions

## Conversions Part 2

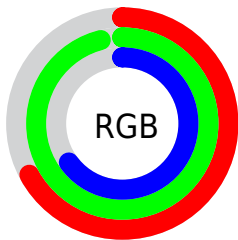
Format	Color
<a href="#">RYB</a>	<a href="#">165, 244, 237</a>
Decimal	<a href="#">11334821</a>
CIELab	<a href="#">89.95, -37.11, 31.15</a>
CIELCh	<a href="#">90, 48.453, 139.993</a>
Yxy	<a href="#">76.1886, 0.3125, 0.4240</a>
Android (android.graphics.Color)	<a href="#">4289524901 (0xFFACF4A5)</a>
YUV	<a href="#">213.4660, -23.8937, -36.3657</a>
Hunter-Lab	<a href="#">87.2861, -37.9127, 28.9417</a>

# Details

The XYZ color **56.1555, 76.1886, 47.3435** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.7126, 51.4487, 92.1117**, and the grayscale version is **63.7232, 67.0418, 73.0085**.

A 20% lighter version of the original color is **81.1242, 93.3985, 82.1586**, and **28.0311, 40.4924, 21.6677** is the 20% darker color. If you saturate the color by 10%, you get **49.6643, 73.0771, 36.5320**, and if you desaturate by 10%, it is **63.8911, 79.8971, 60.4280**.

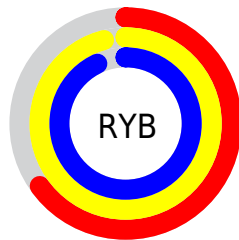
# Distribution



Red (67%)

Green (96%)

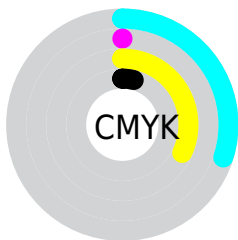
Blue (65%)



Red (65%)

Yellow (96%)

Blue (93%)

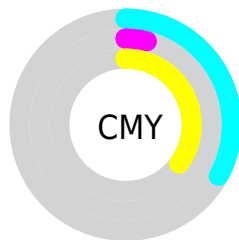


Cyan (30%)

Magenta (0%)

Yellow (32%)

Black (4%)



Cyan (33%)

Magenta (4%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1555, 76.1886, 47.3435 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 56.1555, 76.1886, 47.3435 by changing the saturation by 10% instead.





 56.1555, 76.1886,  
47.3435


 56.1555, 76.1886,  
47.3435


400.3428,  
481.9931, 392.6174

 40.5651, 56.5872,  
32.9510

 98.3704, 127.9935,  
87.5815

 28.1656, 40.6739,  
21.8181


 125.7256,  
160.9657, 114.2640

 18.5916, 28.0644,  
13.5263


157.7331,  
199.1636, 145.8804

 11.4778, 18.3742,  
7.6570

194.7583,  
242.9717, 182.8490

 6.4588, 11.2190,  
3.7916

237.1665,  
292.7743, 225.5885

 3.1693, 6.2143,  
1.5117


285.3231,


 1.2439, 2.9758,


348.9558, 274.5173


0.2266


339.5934,  
411.9006, 330.0541


 0.1406, 1.1191,  
0.0000


 0.0000, 0.0000,  
0.0000

 56.1555, 76.1886,  
47.3435

 56.1555, 76.1886,  
47.3435


 49.6643, 73.0771,  
36.5320


 63.8911, 79.8971,  
60.4280


 44.3469, 70.5223,  
27.8594

 72.9253, 84.2213,  
75.8996

 40.1344, 68.4941,  
21.1850

 83.3162, 89.1910,  
93.8705

 36.9487, 66.9555,  
16.3497

 91.6422, 93.1843,  
107.7641

■ 34.7008, 65.8647,  
13.1697

■ 33.2868, 65.1729,  
11.4236

■ 32.6746, 64.8706,  
10.7991

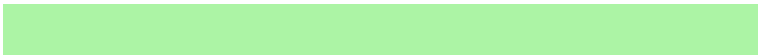
# Harmonies

## Analogous

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



64.8165, 76.1886, 35.1001



56.1555, 76.1886, 47.3435



52.0049, 76.1886, 72.0063

# Triad

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



56.1555, 76.1886, 47.3435



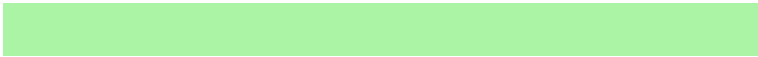
68.4831, 76.1886, 166.4253



96.3072, 76.1886, 62.3711

# Complementary

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



56.1555, 76.1886, 47.3435



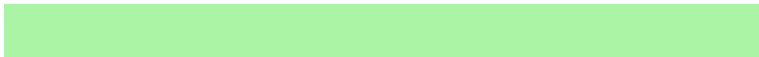
64.7126, 51.4487, 92.1117

# 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.



97.5686, 76.1886, 94.9640



56.1555, 76.1886, 47.3435



80.5853, 76.1886, 161.7391

# Square

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



56.1555, 76.1886, 47.3435



58.5845, 76.1886, 144.4894



91.5442, 76.1886, 133.0430

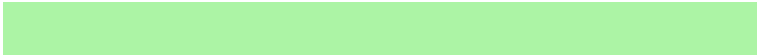


88.2670, 76.1886, 41.9701



# Rectangle

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



56.1555, 76.1886, 47.3435



52.0042, 76.1886, 94.9472



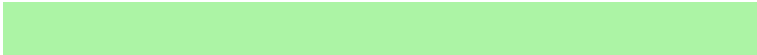
91.5442, 76.1886, 133.0430



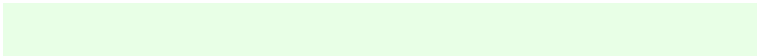
97.5697, 76.1886, 72.0203

# Sweetspot

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



56.1575, 76.1918, 47.3452



83.1733, 94.3206, 88.3173



74.1273, 82.0019, 47.5195



17.4716, 20.0302, 18.3330



0.0000, 0.0000, 0.0000

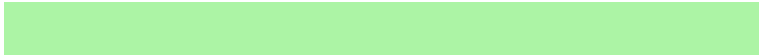


20.3446, 21.4041, 23.3091

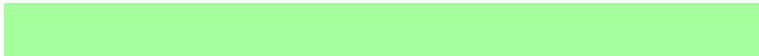


# Same Dimension

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



56.1575, 76.1918, 47.3452



57.1070, 81.8360, 44.0391



57.9024, 76.7170, 64.3415



16.4183, 18.5422, 17.5112



17.8127, 35.2956, 5.8739



1.6111, 3.1256, 0.5184



# Inverse Universe

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



64.7126, 51.4487, 92.1117



67.9357, 50.4734, 100.7695



62.7002, 50.9190, 69.0786



17.0604, 16.6893, 20.8647



25.3828, 12.0597, 47.5279

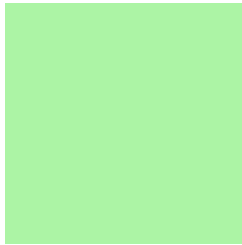


2.2726, 1.0814, 4.1792



# Previews

## White Background



This preview shows how the XYZ color 56.1555, 76.1886, 47.3435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

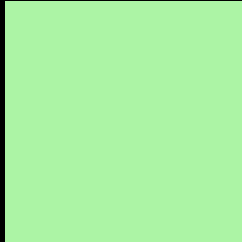
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1555, 76.1886, 47.3435 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 56.1555, 76.1886, 47.3435**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1555, 76.1886, 47.3435.



This preview shows how white text looks on a background with the XYZ color 56.1555, 76.1886,

47.3435.

# 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

56.1555, 76.1886, 47.3435

### Protanopia

69.9732, 75.3394, 42.7523

### Deuteranopia

75.6486, 75.5539, 58.1732



## Tritanopia

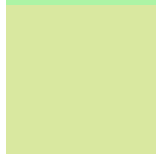
67.2031, 75.8709, 103.1980

# Trichromacy



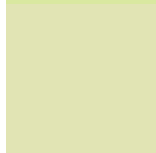
## Original Color

56.1555, 76.1886, 47.3435



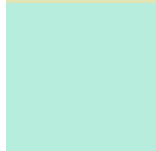
## Protanomaly

63.8170, 75.0030, 44.3712



## Deuteranomaly

67.0330, 74.7896, 54.0828



## Tritanomaly

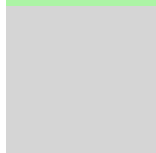
62.4939, 75.6808, 79.0242

# Monochromacy



## Original Color

56.1555, 76.1886, 47.3435



## 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 56.1555, 76.1886, 47.3435 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, 244, 165)` looks like.

```
.text, #text, p{  
    color:rgb(172, 244, 165)  
}
```

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, 244, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 244, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1555, 76.1886, 47.3435 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, 244, 165) }
```



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

```
.border{ border-color:rgb(172, 244, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 244, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 244, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 244, 165);  
box-shadow:4px 4px 4px 4px rgb(172, 244,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1555, 76.1886, 47.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 244, 165) }
```

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

```
.background{ background-color: rgb(172,  
244, 165) }
```

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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