

Converting Colors

XYZ(55.8981, 75.5145, 47.3278)

Have a look what the booklet for
XYZ(55.8981, 75.5145, 47.3278)
contains.

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Color

**XYZ(55.8554, 75.5885,
47.2435)**

Conversions

Conversions Part 1

Format	Color
Hex	ACF3A5
RGB	172, 243, 165
RGB Percent	67%, 95%, 65%
CMY	0.3255, 0.0470, 0.3529
CMYK	0.29, 0.00, 0.32, 0.05
HSL	115°, 76%, 80%
HSV	115°, 32%, 95%
XYZ	55.8554, 75.5885, 47.2435
YIQ	212.8790, -17.2780, -39.3100

Conversions

Conversions Part 2

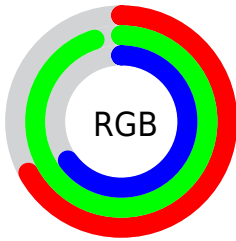
Format	Color
R _{YB}	165, 243, 236
Decimal	11334565
CIE _{Lab}	89.67, -36.66, 30.78
CIE _{LCh}	90, 47.865, 139.987
Yxy	75.5885, 0.3126, 0.4230
Android (android.graphics.Color)	4289524645 (0xFFACF3A5)
YUV	212.8790, -23.6043, -35.8509
Hunter-Lab	86.9416, -37.4711, 28.6414

Details

The XYZ color **55.8554, 75.5885, 47.2435** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.2283, 51.2166, 91.2987**, and the grayscale version is **63.3277, 66.6257, 72.5554**.

A 20% lighter version of the original color is **80.9914, 93.3453, 81.4589**, and **27.8197, 40.0696, 21.5972** is the 20% darker color. If you saturate the color by 10%, you get **49.3934, 72.4912, 36.4721**, and if you desaturate by 10%, it is **63.5496, 79.2769, 60.2693**.

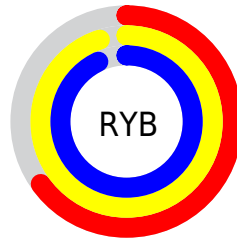
Distribution



Red (67%)

Green (95%)

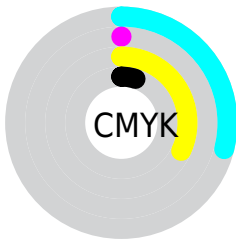
Blue (65%)



Red (65%)

Yellow (95%)

Blue (93%)

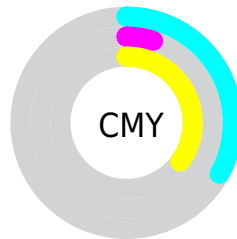


Cyan (29%)

Magenta (0%)

Yellow (32%)

Black (5%)



Cyan (33%)


Magenta (5%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8554, 75.5885, 47.2435 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 55.8554, 75.5885, 47.2435 by changing the saturation by 10% instead.


 55.8554, 75.5885,
47.2435


 55.8554, 75.5885,
47.2435

399.2302,
479.9379, 392.2075

 40.3235, 56.0951,
32.8725


 97.9342, 127.1451,
87.4308

 27.9762, 40.2792,
21.7584


 125.2118,
159.9771, 114.0841

 18.4481, 27.7563,
13.4829


157.1354,
198.0241, 145.6686

 11.3738, 18.1420,
7.6273

194.0703,
241.6704, 182.6028

 6.3880, 11.0520,
3.7731

236.3818,
291.3006, 225.3052

 3.1253, 6.1018,
1.5017


284.4355,

 1.2204, 2.9071,


347.2990, 274.1945


0.2192


338.5965,
410.0500, 329.6890


 0.1224, 1.0834,
0.0000


 0.0000, 0.0000,
0.0000


 55.8554, 75.5885,
47.2435


 55.8554, 75.5885,
47.2435


 49.3934, 72.4912,
36.4721


 63.5496, 79.2769,
60.2693


 44.0940, 69.9452,
27.8225

 72.5294, 83.5748,
75.6620

 39.8895, 67.9209,
21.1560

 82.8521, 88.5115,
93.5327

 36.7028, 66.3819,
16.3155

 91.3421, 92.5842,
107.6640

■ 34.4466, 65.2872,
13.1201

■ 33.0187, 64.5888,
11.3517

■ 32.3787, 64.2726,
10.6993

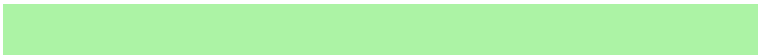
Harmonies

Analogous

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



64.3772, 75.5885, 35.1537



55.8554, 75.5885, 47.2435



51.7678, 75.5885, 71.5318

Triad

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



55.8554, 75.5885, 47.2435



67.9780, 75.5885, 164.1374



95.3023, 75.5885, 62.0615

Complementary

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



55.8554, 75.5885, 47.2435



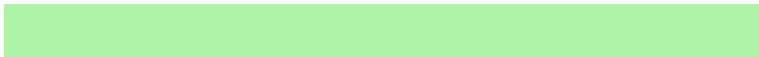
64.2283, 51.2166, 91.2987

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.



96.5381, 75.5885, 94.1047



55.8554, 75.5885, 47.2435



79.8682, 75.5885, 159.5556

Square

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



55.8554, 75.5885, 47.2435



58.2431, 75.5885, 142.6546



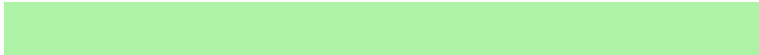
90.6265, 75.5885, 131.4534



87.4141, 75.5885, 41.9463

Rectangle

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



55.8554, 75.5885, 47.2435



51.7664, 75.5885, 94.0737



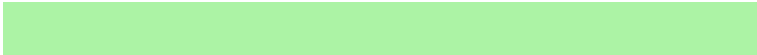
90.6265, 75.5885, 131.4534



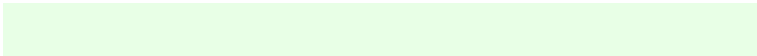
96.5403, 75.5885, 71.5576

Sweetspot

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



55.8573, 75.5917, 47.2452



83.1827, 94.3254, 88.3177



73.5227, 81.3063, 47.4171



17.4739, 20.0314, 18.3332



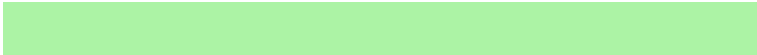
0.0000, 0.0000, 0.0000



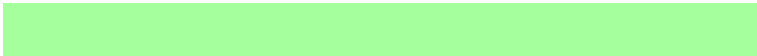
20.3446, 21.4041, 23.3091

Same Dimension

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



55.8573, 75.5917, 47.2452



57.1303, 81.8480, 44.0402



57.5567, 76.0986, 64.0011



16.4200, 18.5431, 17.5113



17.8164, 35.2975, 5.8741



1.6119, 3.1260, 0.5184

Inverse Universe

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



64.2283, 51.2166, 91.2987



67.8962, 50.4530, 100.7676



62.2785, 50.7103, 68.6635



17.0584, 16.6883, 20.8647



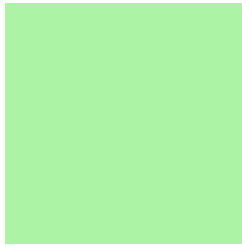
25.3375, 12.0363, 47.5258



2.2690, 1.0796, 4.1790

Previews

White Background



This preview shows how the XYZ color 55.8554, 75.5885, 47.2435 looks on a white background.

Color Contrast Check

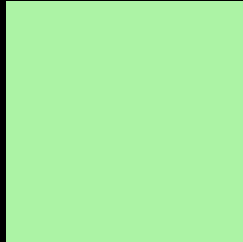
Large Text (above 18pt) WCAG AA × Fail

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 55.8554, 75.5885, 47.2435 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 55.8554, 75.5885, 47.2435

Background



This preview shows how black text looks on a background with the XYZ color 55.8554, 75.5885, 47.2435.

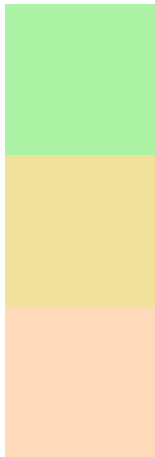


This preview shows how white text looks on a background with the XYZ color 55.8554, 75.5885,

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

55.8554, 75.5885, 47.2435

Protanopia

69.3594, 74.6229, 42.6463

Deuteranopia

75.1743, 74.9480, 56.9587



Tritanopia

66.7627, 75.2431, 102.2714

Trichromacy



Original Color

55.8554, 75.5885, 47.2435



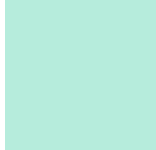
Protanomaly

63.5363, 74.4416, 44.2777



Deuteranomaly

66.5563, 74.1601, 52.9259



Tritanomaly

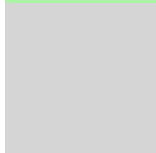
62.2051, 75.1033, 78.9280

Monochromacy



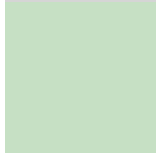
Original Color

55.8554, 75.5885, 47.2435



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 55.8554, 75.5885, 47.2435 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, 243, 165)` looks like.

```
.text, #text, p{  
    color:rgb(172, 243, 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, 243, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 243, 165) }
```

Border

The CSS property to change the border of an element to XYZ 55.8554, 75.5885, 47.2435 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, 243, 165) }
```


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

```
.border{ border-color:rgb(172, 243, 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, 243, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 243, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 243, 165);  
box-shadow:4px 4px 4px 4px rgb(172, 243,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8554, 75.5885, 47.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 243, 165) }
```

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

```
.background{ background-color: rgb(172,  
243, 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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