

Converting Colors

XYZ(55.4165, 75.5803, 38.2770)

Have a look what the booklet for
XYZ(55.4165, 75.5803, 38.2770)
contains.

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Color

**XYZ(55.5215, 75.6105,
38.4561)**

Conversions

Conversions Part 1

Format	Color
Hex	B2F391
RGB	178, 243, 145
RGB Percent	70%, 95%, 57%
CMY	0.3020, 0.0470, 0.4314
CMYK	0.27, 0.00, 0.40, 0.05
HSL	100°, 80%, 76%
HSV	100°, 40%, 95%
XYZ	55.5215, 75.6105, 38.4561
YIQ	212.3930, -7.2820, -44.2580

Conversions

Conversions Part 2

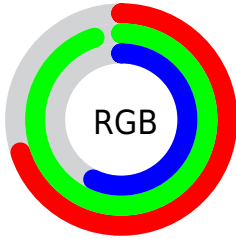
Format	Color
RYB	145, 243, 210
Decimal	11727761
CIELab	89.68, -37.54, 40.83
CIELCh	90, 55.466, 132.595
Yxy	75.6105, 0.3274, 0.4458
Android (android.graphics.Color)	4289917841 (0xFFB2F391)
YUV	212.3930, -33.2247, -30.1627
Hunter-Lab	86.9543, -38.1953, 34.6466

Details

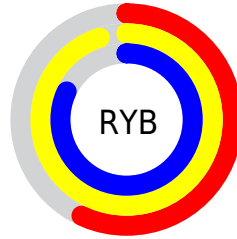
The XYZ color **55.5215, 75.6105, 38.4561** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.8849, 40.4258, 89.8138**, and the grayscale version is **63.0604, 66.3444, 72.2491**.

A 20% lighter version of the original color is **80.4463, 93.3523, 68.4224**, and **27.7031, 40.1191, 16.6396** is the 20% darker color. If you saturate the color by 10%, you get **50.3614, 73.1465, 29.4580**, and if you desaturate by 10%, it is **61.5208, 78.4654, 49.5885**.

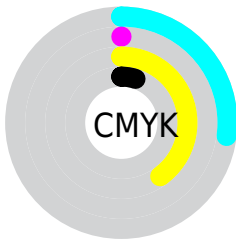
Distribution



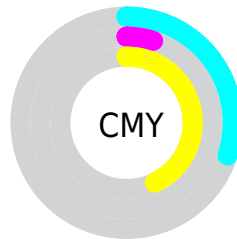
- Red (70%)
- Green (95%)
- Blue (57%)



- Red (57%)
- Yellow (95%)
- Blue (82%)



- Cyan (27%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (30%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5215, 75.6105, 38.4561 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 55.5215, 75.6105, 38.4561 by changing the saturation by 10% instead.


 55.5215, 75.6105,
38.4561


 55.5215, 75.6105,
38.4561


397.9901,
480.0133, 354.9292

 40.0549, 56.1132,
26.0323


 97.4485, 127.1762,
74.0178

 27.7658, 40.2937,
16.6218


 124.6396,
160.0133, 97.9929

 18.2887, 27.7676,
9.8061


156.4696,
198.0659, 126.6554

 11.2584, 18.1505,
5.1667

193.3038,
241.7182, 160.4239

 6.3095, 11.0581,
2.2849

235.5076,
291.3547, 199.7170

 3.0766, 6.1059,
0.7228


283.4463,


 1.1944, 2.9096,


347.3598, 244.9532


0.0000


337.4854,
410.1179, 296.5511


 0.1019, 1.0847,
0.0000


 0.0000, 0.0000,
0.0000

 55.5215, 75.6105,
38.4561


 55.5215, 75.6105,
38.4561


 50.3614, 73.1465,
29.4580


 61.5208, 78.4654,
49.5885


 45.9941, 71.0456,
22.4526

 68.3913, 81.7181,
62.9746

 42.3767, 69.2913,
17.2893

 76.1703, 85.3876,
78.7310

 39.4595, 67.8618,
13.7937

 84.8910, 89.4888,
96.9647

■ 37.1852, 66.7321,
11.7579

■ 91.3422, 92.5843,
107.6641

■ 35.5162, 65.8901,
10.8462

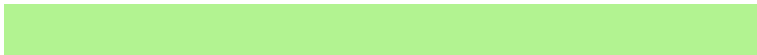
Harmonies

Analogous

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



66.2914, 75.6105, 28.5917



55.5215, 75.6105, 38.4561



49.6129, 75.6105, 61.8235

Triad

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



55.5215, 75.6105, 38.4561



64.2955, 75.6105, 176.9275



100.6515, 75.6105, 66.9960

Complementary

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



55.5215, 75.6105, 38.4561



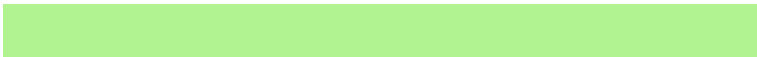
52.8849, 40.4258, 89.8138

Split Complementary

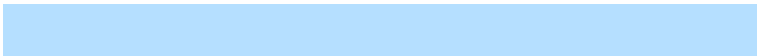
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.9394, 75.6105, 106.9260



55.5215, 75.6105, 38.4561



77.7436, 75.6105, 179.6607

Square

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



55.5215, 75.6105, 38.4561



54.2203, 75.6105, 144.4180



91.1382, 75.6105, 151.0043



92.9754, 75.6105, 41.2047

Rectangle

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



55.5215, 75.6105, 38.4561



48.7007, 75.6105, 85.7788



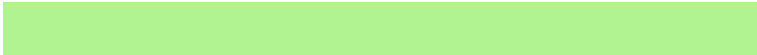
91.1382, 75.6105, 151.0043



101.4105, 75.6105, 78.9691

Sweetspot

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



55.5234, 75.6138, 38.4578



83.4319, 94.5352, 84.6556



64.8030, 66.5561, 36.2203



17.6069, 20.1162, 17.6070



0.0000, 0.0000, 0.0000



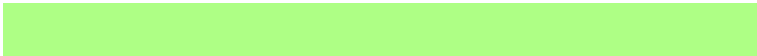
20.3446, 21.4041, 23.3091

Same Dimension

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



55.5234, 75.6138, 38.4578



57.3798, 82.1795, 34.8837



50.0489, 72.6520, 44.5071



16.8080, 18.7431, 17.5295



19.6198, 36.2272, 5.9585



1.8294, 3.2382, 0.5286

Inverse Universe

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



52.8849, 40.4258, 89.8138



54.0525, 38.1500, 99.1225



61.1358, 44.9257, 79.0702



16.6400, 16.4726, 20.8451



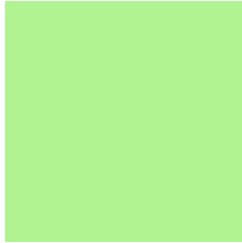
17.1151, 7.7975, 47.1410



1.6134, 0.7416, 4.1483

Previews

White Background



This preview shows how the XYZ color 55.5215, 75.6105, 38.4561 looks on a white background.

Color Contrast Check

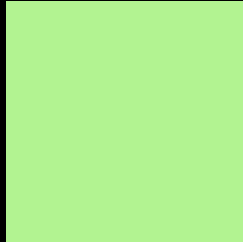
Large Text (above 18pt) WCAG AA × Fail

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 55.5215, 75.6105, 38.4561 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 55.5215, 75.6105, 38.4561

Background



This preview shows how black text looks on a background with the XYZ color 55.5215, 75.6105, 38.4561.

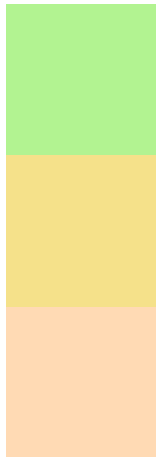


This preview shows how white text looks on a background with the XYZ color 55.5215, 75.6105,

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

55.5215, 75.6105, 38.4561

Protanopia

69.1688, 75.0979, 34.8945

Deuteranopia

74.5496, 74.6981, 53.6690



Tritanopia

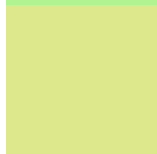
68.1805, 75.5935, 100.6200

Trichromacy



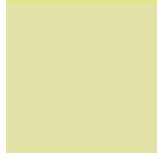
Original Color

55.5215, 75.6105, 38.4561



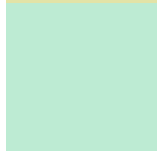
Protanomaly

63.4831, 75.0085, 36.3315



Deuteranomaly

66.1227, 74.0591, 47.3690



Tritanomaly

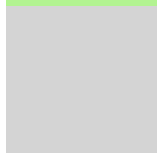
62.4525, 74.9386, 72.8010

Monochromacy



Original Color

55.5215, 75.6105, 38.4561



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.2842, 68.6856, 57.7100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5215, 75.6105, 38.4561 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(178, 243, 145)` looks like.

```
.text, #text, p{  
    color:rgb(178, 243, 145)  
}
```

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(178, 243, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 243, 145) }
```

Border

The CSS property to change the border of an element to XYZ 55.5215, 75.6105, 38.4561 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(178, 243, 145) }
```


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

```
.border{ border-color:rgb(178, 243, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 243, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 243, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 243, 145);  
box-shadow:4px 4px 4px 4px rgb(178, 243,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5215, 75.6105, 38.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 243, 145) }
```

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

```
.background{ background-color: rgb(178,  
243, 145) }
```

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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