

Converting Colors

XYZ(55.8606, 76.6034, 41.9914)

Have a look what the booklet for
XYZ(55.8606, 76.6034, 41.9914)
contains.

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Color

**XYZ(55.8577, 76.6034,
41.9789)**

Conversions

Conversions Part 1

Format	Color
Hex	AEF599
RGB	174, 245, 153
RGB Percent	68%, 96%, 60%
CMY	0.3176, 0.0392, 0.4000
CMYK	0.29, 0.00, 0.38, 0.04
HSL	106°, 82%, 78%
HSV	106°, 38%, 96%
XYZ	55.8577, 76.6034, 41.9789
YIQ	213.2830, -12.7840, -43.6640

Conversions

Conversions Part 2

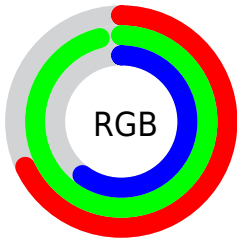
Format	Color
RYB	153, 245, 224
Decimal	11466137
CIELab	90.14, -38.68, 37.43
CIElCh	90, 53.830, 135.940
Yxy	76.6034, 0.3202, 0.4391
Android (android.graphics.Color)	4289656217 (0xFFAEF599)
YUV	213.2830, -29.7195, -34.4512
Hunter-Lab	87.5234, -39.2466, 32.8290

Details

The XYZ color **55.8577, 76.6034, 41.9789** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.6166, 45.2247, 92.0302**, and the grayscale version is **63.6359, 66.9499, 72.9085**.

A 20% lighter version of the original color is **80.1002, 93.0630, 73.4157**, and **27.9399, 40.8280, 18.7199** is the 20% darker color. If you saturate the color by 10%, you get **50.1186, 73.8574, 32.2102**, and if you desaturate by 10%, it is **62.6092, 79.8279, 53.9669**.

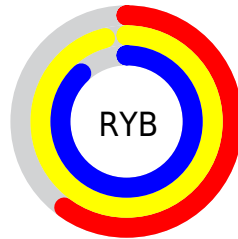
Distribution



Red (68%)

Green (96%)

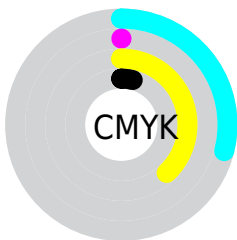
Blue (60%)



Red (60%)

Yellow (96%)

Blue (88%)

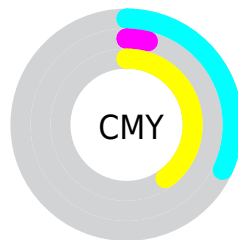


Cyan (29%)

Magenta (0%)

Yellow (38%)

Black (4%)



Cyan (32%)

Magenta (4%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8577, 76.6034, 41.9789 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 55.8577, 76.6034, 41.9789 by changing the saturation by 10% instead.

 55.8577, 76.6034,
41.9789


 55.8577, 76.6034,
41.9789


399.2387,
483.4107, 370.1925

 40.3254, 56.9274,
28.7593


 97.9375, 128.5795,
79.4374

 27.9777, 40.9470,
18.6548


 125.2157,
161.6484, 104.5135

 18.4492, 28.2777,
11.2468


157.1399,
199.9504, 134.3787

 11.3746, 18.5351,
6.1169

194.0755,
243.8699, 169.4518

 6.3885, 11.3348,
2.8463

236.3879,
293.7913, 210.1512

 3.1256, 6.2925,
1.0167


284.4423,


 1.2205, 3.0237,

350.0990, 256.8954

0.0000


338.6041,
413.1773, 310.1030


 0.1225, 1.1441,
0.0000


 0.0000, 0.0154,
0.0000


 55.8577, 76.6034,
41.9789

 55.8577, 76.6034,
41.9789


 50.1186, 73.8574,
32.2102


 62.6092, 79.8279,
53.9669


 45.3358, 71.5570,
24.5196

 70.4140, 83.5424,
68.2935

 41.4566, 69.6807,
18.7579

 79.3176, 87.7701,
85.0756

 38.4201, 68.2009,
14.7536

 89.3611, 92.5300,
104.4209

■ 36.1573, 67.0862,
12.3053

■ 91.9440, 93.7880,
107.8647

■ 34.5836, 66.2989,
11.1465

■ 34.2803, 66.1463,
10.9608

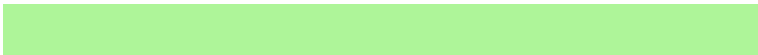
Harmonies

Analogous

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



65.9764, 76.6034, 30.7640



55.8577, 76.6034, 41.9789



50.6155, 76.6034, 66.7744

Triad

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



55.8577, 76.6034, 41.9789



66.7425, 76.6034, 177.1207



100.4234, 76.6034, 64.7822

Complementary

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



55.8577, 76.6034, 41.9789



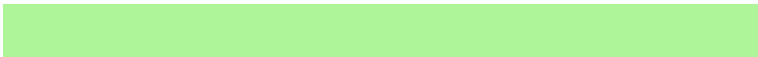
58.6166, 45.2247, 92.0302

Split Complementary

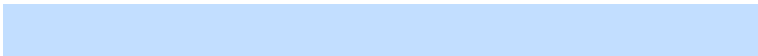
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.6942, 76.6034, 102.5973



55.8577, 76.6034, 41.9789



80.0983, 76.6034, 176.0895

Square

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



55.8577, 76.6034, 41.9789



56.3592, 76.6034, 148.2715



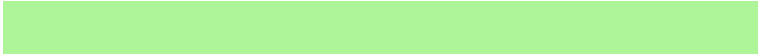
92.8841, 76.6034, 145.7783



92.1841, 76.6034, 40.9071

Rectangle

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



55.8577, 76.6034, 41.9789



50.1212, 76.6034, 91.2602



92.8841, 76.6034, 145.7783



101.4806, 76.6034, 76.0198

Sweetspot

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



55.8596, 76.6067, 41.9806



83.3375, 94.4462, 86.4745



69.9396, 74.7767, 40.8853



17.5511, 20.0793, 17.9679



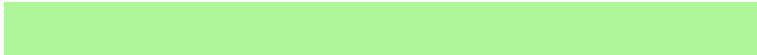
0.0000, 0.0000, 0.0000



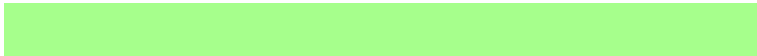
20.3446, 21.4041, 23.3091

Same Dimension

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



55.8596, 76.6067, 41.9806



56.3303, 81.5754, 37.6844



53.7808, 75.2763, 53.5712



16.6360, 18.6544, 17.5214



18.5653, 35.6836, 5.9091



1.7178, 3.1806, 0.5234

Inverse Universe

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



58.6166, 45.2247, 92.0302



59.7173, 42.6762, 99.6976



62.0304, 47.3890, 73.9154



16.8222, 16.5665, 20.8536



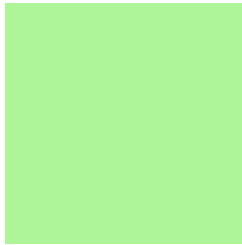
20.3220, 9.4507, 47.2911



1.8742, 0.8760, 4.1605

Previews

White Background



This preview shows how the XYZ color 55.8577, 76.6034, 41.9789 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 55.8577, 76.6034, 41.9789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

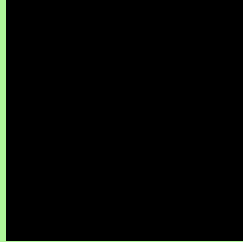
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8577, 76.6034, 41.9789

Background



This preview shows how black text looks on a background with the XYZ color 55.8577, 76.6034, 41.9789.



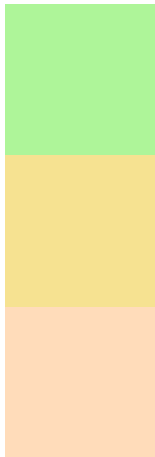
This preview shows how white text looks on a background with the XYZ color 55.8577, 76.6034,

41.9789.

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

55.8577, 76.6034, 41.9789

Protanopia

70.3132, 76.0299, 37.7574

Deuteranopia

75.6961, 75.9916, 57.1326



Tritanopia

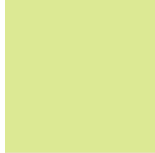
68.1955, 76.3825, 103.2445

Trichromacy



Original Color

55.8577, 76.6034, 41.9789



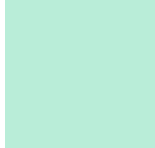
Protanomaly

63.9994, 75.6316, 39.2422



Deuteranomaly

67.0233, 75.2634, 51.0392



Tritanomaly

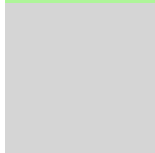
62.6864, 75.8405, 76.3005

Monochromacy



Original Color

55.8577, 76.6034, 41.9789



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.8824, 69.7541, 59.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8577, 76.6034, 41.9789 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, 245, 153)` looks like.

```
.text, #text, p{  
    color:rgb(174, 245, 153)  
}
```

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, 245, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 245, 153) }
```

Border

The CSS property to change the border of an element to XYZ 55.8577, 76.6034, 41.9789 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, 245, 153) }
```


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

```
.border{ border-color:rgb(174, 245, 153) }
```

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

Here you see how a box with a 4 pixel rgb(174, 245, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 245, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 245, 153);  
box-shadow:4px 4px 4px 4px rgb(174, 245,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8577, 76.6034, 41.9789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 245, 153) }
```

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

```
.background{ background-color: rgb(174,  
245, 153) }
```

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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