

Converting Colors

XYZ(57.6169, 77.9564, 42.5831)

Have a look what the booklet for
XYZ(57.6169, 77.9564, 42.5831)
contains.

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Color

**XYZ(57.6109, 77.9479,
42.5809)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F69A
RGB	180, 246, 154
RGB Percent	71%, 96%, 60%
CMY	0.2941, 0.0353, 0.3961
CMYK	0.27, 0.00, 0.37, 0.04
HSL	103°, 84%, 78%
HSV	103°, 37%, 96%
XYZ	57.6109, 77.9479, 42.5809
YIQ	215.7780, -9.8040, -42.6040

Conversions

Conversions Part 2

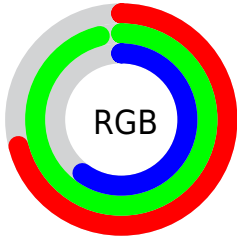
Format	Color
RYB	154, 246, 220
Decimal	11859610
CIELab	90.76, -37.01, 37.81
CIELCh	91, 52.904, 134.389
Yxy	77.9479, 0.3234, 0.4376
Android (android.graphics.Color)	4290049690 (0xFFB4F69A)
YUV	215.7780, -30.4566, -31.3773
Hunter-Lab	88.2881, -38.0271, 33.2064

Details

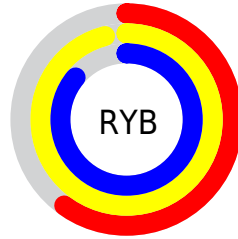
The XYZ color **57.6109, 77.9479, 42.5809** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.7087, 44.9830, 92.8339**, and the grayscale version is **65.3264, 68.7284, 74.8453**.

A 20% lighter version of the original color is **82.1937, 94.1280, 74.1580**, and **29.0533, 41.7145, 19.0908** is the 20% darker color. If you saturate the color by 10%, you get **51.9185, 75.2287, 32.6935**, and if you desaturate by 10%, it is **64.2504, 81.1115, 54.7075**.

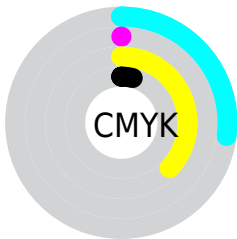
Distribution



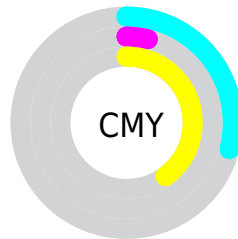
- Red (71%)
- Green (96%)
- Blue (60%)



- Red (60%)
- Yellow (96%)
- Blue (86%)



- Cyan (27%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)



- Cyan (29%)
- Magenta (4%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6109, 77.9479, 42.5809 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 57.6109, 77.9479, 42.5809 by changing the saturation by 10% instead.

■ 57.6109, 77.9479,
42.5809

■ 57.6109, 77.9479,
42.5809

405.7118,
487.9899, 372.7558

■ 41.7380, 58.0312,
29.2275

■ 100.4822,
130.4767, 80.3576

■ 29.0864, 41.8337,
19.0059

■ 128.2114,
163.8575, 105.6179

■ 19.2908, 28.9711,
11.4977

160.6233,
202.4952, 135.6843

■ 11.9858, 19.0590,
6.2843

198.0833,
246.7741, 170.9753

■ 6.8062, 11.7129,
2.9471

240.9568,
297.0786, 211.9094

■ 3.3864, 6.5485,
1.0677

289.6091,

■ 1.3613, 3.1814,

353.7932, 258.9051

0.0000

344.4057,
417.3021, 312.3811

■ 0.2284, 1.2271,
0.0000

■ 0.0000, 0.0837,
0.0000

■ 57.6109, 77.9479,
42.5809

■ 57.6109, 77.9479,
42.5809

■ 51.9185, 75.2287,
32.6935

■ 64.2504, 81.1115,
54.7075

■ 47.1217, 72.9233,
24.9033

■ 71.8732, 84.7285,
69.1934

■ 43.1732, 71.0130,
19.0599

■ 80.5209, 88.8200,
86.1565

■ 40.0181, 69.4733,
14.9909

■ 90.2307, 93.4030,
105.7050

■ 37.5940, 68.2764,
12.4936

■ 92.2473, 94.3947,
107.9658

■ 35.8247, 67.3888,
11.3030

■ 35.4484, 67.1988,
11.1024

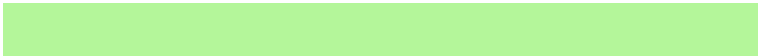
Harmonies

Analogous

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



67.9167, 77.9479, 31.8886



57.6109, 77.9479, 42.5809



52.1008, 77.9479, 66.6619

Triad

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



57.6109, 77.9479, 42.5809



67.4211, 77.9479, 176.6676



101.6979, 77.9479, 67.9538

Complementary

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



57.6109, 77.9479, 42.5809



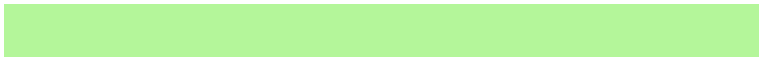
57.7087, 44.9830, 92.8339

Split Complementary

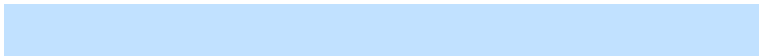
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.5237, 77.9479, 106.1287



57.6109, 77.9479, 42.5809



80.6204, 77.9479, 177.3271

Square

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



57.6109, 77.9479, 42.5809



57.2856, 77.9479, 147.0485



93.4386, 77.9479, 148.6466



93.8893, 77.9479, 43.2817

Rectangle

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



57.6109, 77.9479, 42.5809



51.4177, 77.9479, 90.5965



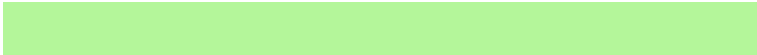
93.4386, 77.9479, 148.6466



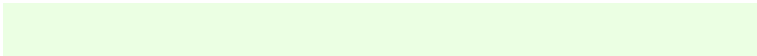
102.5980, 77.9479, 79.3939

Sweetspot

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



57.6129, 77.9512, 42.5826



83.8384, 94.7044, 86.4979



69.4177, 73.0807, 41.0203



17.6698, 20.1405, 17.9735



0.0000, 0.0000, 0.0000



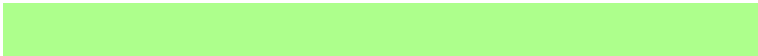
20.3446, 21.4041, 23.3091

Same Dimension

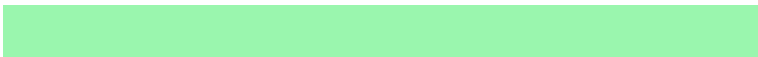
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.6129, 77.9512, 42.5826



57.6741, 82.2682, 37.7473



53.9181, 75.8385, 51.8085



16.7219, 18.6987, 17.5254



19.0379, 35.9272, 5.9312



1.7696, 3.2073, 0.5258

Inverse Universe

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



57.7087, 44.9830, 92.8339



57.7650, 41.6697, 99.6062



63.3011, 48.2008, 77.9702



16.7306, 16.5193, 20.8493



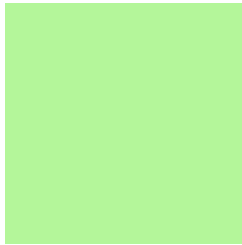
18.6385, 8.5828, 47.2123



1.7384, 0.8060, 4.1542

Previews

White Background



This preview shows how the XYZ color 57.6109, 77.9479, 42.5809 looks on a white background.

Color Contrast Check

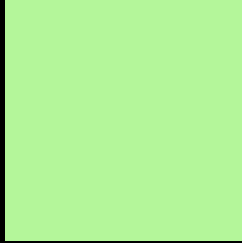
Large Text (above 18pt) WCAG AA × Fail

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 57.6109, 77.9479, 42.5809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

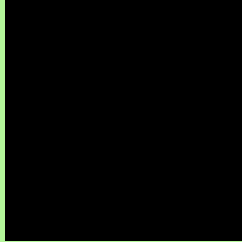
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.6109, 77.9479, 42.5809

Background



This preview shows how black text looks on a background with the XYZ color 57.6109, 77.9479, 42.5809.



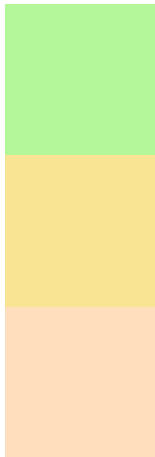
This preview shows how white text looks on a background with the XYZ color 57.6109, 77.9479,

42.5809.

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

57.6109, 77.9479, 42.5809

Protanopia

71.7213, 77.5498, 38.7923

Deuteranopia

76.6555, 77.2203, 59.5800



Tritanopia

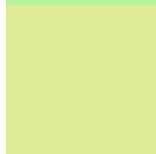
69.9174, 77.6732, 104.2359

Trichromacy



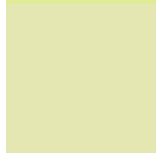
Original Color

57.6109, 77.9479, 42.5809



Protanomaly

65.6448, 77.3066, 40.3160



Deuteranomaly

68.5066, 76.8201, 52.8121



Tritanomaly

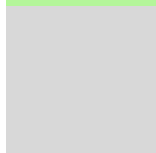
64.3341, 77.1060, 77.1378

Monochromacy



Original Color

57.6109, 77.9479, 42.5809



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.7233, 71.4849, 60.9969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6109, 77.9479, 42.5809 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(180, 246, 154)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 154)  
}
```

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(180, 246, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 154) }
```

Border

The CSS property to change the border of an element to XYZ 57.6109, 77.9479, 42.5809 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(180, 246, 154) }
```


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

```
.border{ border-color:rgb(180, 246, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 246, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 154);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6109, 77.9479, 42.5809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 154) }
```

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

```
.background{ background-color: rgb(180,  
246, 154) }
```

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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