

Converting Colors

XYZ(57.2437, 76.9971, 46.7222)

Have a look what the booklet for
XYZ(57.2437, 76.9971, 46.7222)
contains.

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Color

**XYZ(57.3947, 77.2963,
46.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	B1F5A3
RGB	177, 245, 163
RGB Percent	69%, 96%, 64%
CMY	0.3059, 0.0392, 0.3608
CMYK	0.28, 0.00, 0.33, 0.04
HSL	110°, 80%, 80%
HSV	110°, 33%, 96%
XYZ	57.3947, 77.2963, 46.5450
YIQ	215.3200, -14.2060, -39.9180

Conversions

Conversions Part 2

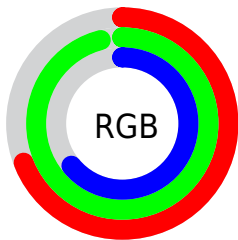
Format	Color
RYB	163, 245, 231
Decimal	11662755
CIELab	90.46, -36.25, 32.89
CIElCh	90, 48.947, 137.787
Yxy	77.2963, 0.3167, 0.4265
Android (android.graphics.Color)	4289852835 (0xFFB1F5A3)
YUV	215.3200, -25.7938, -33.6066
Hunter-Lab	87.9183, -37.3290, 30.1540

Details

The XYZ color **57.3947, 77.2963, 46.5450** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.5372, 49.7783, 92.7025**, and the grayscale version is **64.9862, 68.3705, 74.4555**.

A 20% lighter version of the original color is **82.3466, 94.0744, 80.1477**, and **28.8237, 41.2298, 21.1908** is the 20% darker color. If you saturate the color by 10%, you get **51.1206, 74.2937, 35.8815**, and if you desaturate by 10%, it is **64.7871, 80.8308, 59.4838**.

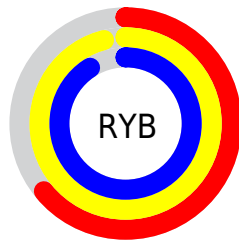
Distribution



Red (69%)

Green (96%)

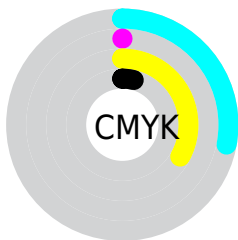
Blue (64%)



Red (64%)

Yellow (96%)

Blue (91%)

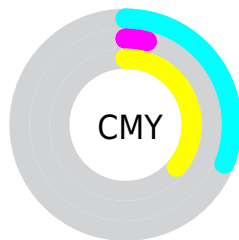


Cyan (28%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (31%)

Magenta (4%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3947, 77.2963, 46.5450 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 57.3947, 77.2963, 46.5450 by changing the saturation by 10% instead.

57.3947, 77.2963,
46.5450

57.3947, 77.2963,
46.5450

404.9170,
485.7737, 389.3365

41.5636, 57.4961,
32.3243

100.1689,
129.5577, 86.3769

28.9493, 41.4037,
21.3425

127.8427,
162.7876, 112.8252

19.1866, 28.6346,
13.1809

160.1948,
201.2629, 144.1865

11.9100, 18.8046,
7.4210

197.5906,
245.3679, 180.8793

6.7542, 11.5292,
3.6444

240.3953,
295.4872, 223.3222

3.3538, 6.4240,
1.4323


288.9744,


1.3435, 3.1045,


352.0049, 271.9336


0.1668


343.6931,
415.3056, 327.1322


 0.2154, 1.1866,
0.0000


 0.0000, 0.0507,
0.0000


 57.3947, 77.2963,
46.5450

 57.3947, 77.2963,
46.5450


 51.1206, 74.2937,
35.8815


 64.7871, 80.8308,
59.4838


 45.9039, 71.7877,
27.3570

 73.3431, 84.9112,
74.8136

 41.6868, 69.7539,
20.8286

 83.1125, 89.5629,
92.6483

 38.4034, 68.1617,
16.1335

 91.9440, 93.7880,
107.8647

■ 35.9793, 66.9770,
13.0839

■ 34.3281, 66.1602,
11.4511

■ 33.6016, 65.7965,
10.9290

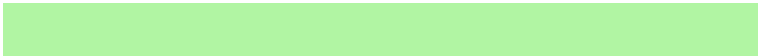
Harmonies

Analogous

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



66.5177, 77.2963, 34.9519



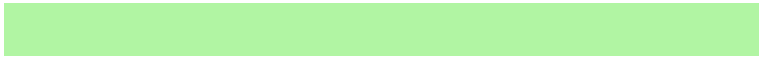
57.3947, 77.2963, 46.5450



52.8023, 77.2963, 70.7069

Triad

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



57.3947, 77.2963, 46.5450



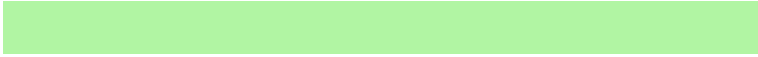
68.6056, 77.2963, 168.6106



98.2047, 77.2963, 65.2249

Complementary

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



57.3947, 77.2963, 46.5450



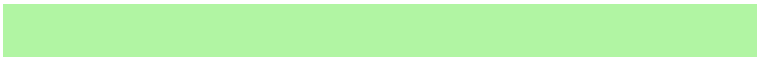
62.5372, 49.7783, 92.7025

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.



98.9243, 77.2963, 99.2253



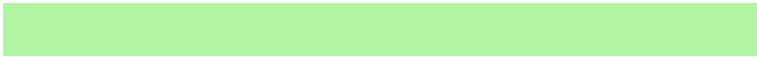
57.3947, 77.2963, 46.5450



80.8860, 77.2963, 165.9323

Square

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



57.3947, 77.2963, 46.5450



58.7767, 77.2963, 144.5285



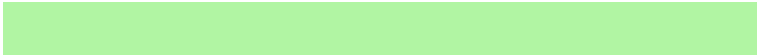
92.2922, 77.2963, 137.9913



90.4231, 77.2963, 43.4952

Rectangle

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



57.3947, 77.2963, 46.5450



52.5497, 77.2963, 93.6182



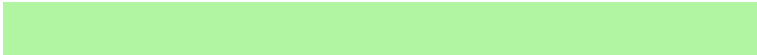
92.2922, 77.2963, 137.9913



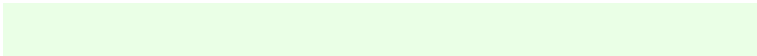
99.3094, 77.2963, 75.3660

Sweetspot

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



57.3967, 77.2996, 46.5467



83.8562, 94.6727, 88.3493



72.5580, 78.6356, 46.0055



17.6354, 20.1146, 18.3407



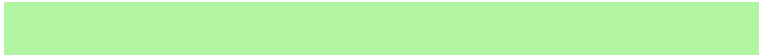
0.0000, 0.0000, 0.0000



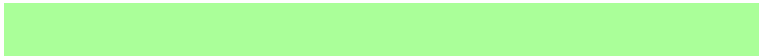
20.3446, 21.4041, 23.3091

Same Dimension

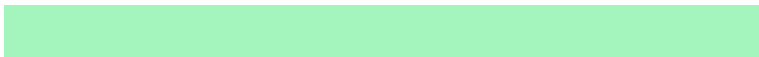
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.3967, 77.2996, 46.5467



58.1765, 82.4119, 42.9779



56.9408, 76.7676, 59.9436



16.5458, 18.6079, 17.5172



18.1793, 35.4846, 5.8911



1.6714, 3.1567, 0.5212

Inverse Universe

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



62.5372, 49.7783, 92.7025



64.5630, 48.1084, 100.4908



63.5468, 50.7252, 73.4855



16.9198, 16.6168, 20.8582



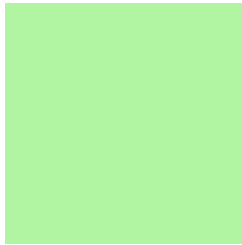
22.2765, 10.4583, 47.3826



2.0296, 0.9562, 4.1678

Previews

White Background



This preview shows how the XYZ color 57.3947, 77.2963, 46.5450 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 57.3947, 77.2963, 46.5450 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

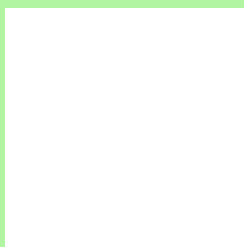
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.3947, 77.2963, 46.5450

Background



This preview shows how black text looks on a background with the XYZ color 57.3947, 77.2963, 46.5450.

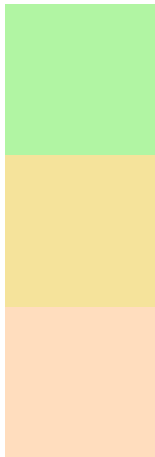


This preview shows how white text looks on a background with the XYZ color 57.3947, 77.2963,

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

57.3947, 77.2963, 46.5450

Protanopia

71.0417, 76.7172, 42.0740

Deuteranopia

76.3907, 76.6906, 59.4917



Tritanopia

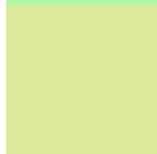
68.8907, 77.1440, 104.1879

Trichromacy



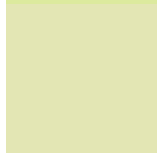
Original Color

57.3947, 77.2963, 46.5450



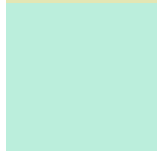
Protanomaly

65.1096, 76.5299, 43.6879



Deuteranomaly

68.2136, 76.2198, 54.2967



Tritanomaly

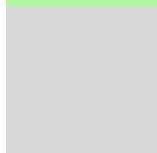
63.9863, 76.8812, 79.1773

Monochromacy



Original Color

57.3947, 77.2963, 46.5450



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.2476, 70.7957, 62.6614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.3947, 77.2963, 46.5450 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(177, 245, 163)` looks like.

```
.text, #text, p{  
    color:rgb(177, 245, 163)  
}
```

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(177, 245, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 245, 163) }
```

Border

The CSS property to change the border of an element to XYZ 57.3947, 77.2963, 46.5450 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(177, 245, 163) }
```


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

```
.border{ border-color:rgb(177, 245, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 245, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 245, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 245, 163);  
box-shadow:4px 4px 4px 4px rgb(177, 245,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 57.3947, 77.2963, 46.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 245, 163) }
```

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

```
.background{ background-color: rgb(177,  
245, 163) }
```

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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