

Converting Colors

XYZ(58.2173, 77.5554, 46.7207)

Have a look what the booklet for
XYZ(58.2173, 77.5554, 46.7207)
contains.

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Color

**XYZ(58.3193, 77.7729,
46.5883)**

Conversions

Conversions Part 1

Format	Color
Hex	B5F5A3
RGB	181, 245, 163
RGB Percent	71%, 96%, 64%
CMY	0.2902, 0.0392, 0.3608
CMYK	0.26, 0.00, 0.33, 0.04
HSL	107°, 80%, 80%
HSV	107°, 33%, 96%
XYZ	58.3193, 77.7729, 46.5883
YIQ	216.5160, -11.8220, -39.0700

Conversions

Conversions Part 2

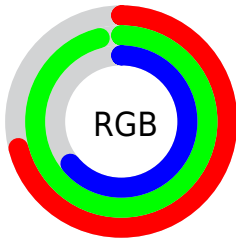
Format	Color
RYB	163, 245, 227
Decimal	11924899
CIELab	90.68, -34.94, 33.22
CIELCh	91, 48.207, 136.445
Yxy	77.7729, 0.3192, 0.4257
Android (android.graphics.Color)	4290114979 (0xFFB5F5A3)
YUV	216.5160, -26.3834, -31.1475
Hunter-Lab	88.1889, -36.2887, 30.4106

Details

The XYZ color **58.3193, 77.7729, 46.5883** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.2607, 49.1202, 92.6427**, and the grayscale version is **65.8043, 69.2313, 75.3928**.

A 20% lighter version of the original color is **83.6748, 94.7591, 80.2099**, and **29.4019, 41.5278, 21.2179** is the 20% darker color. If you saturate the color by 10%, you get **52.1533, 74.8261, 35.9299**, and if you desaturate by 10%, it is **65.5301, 81.2138, 59.5186**.

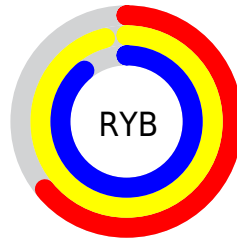
Distribution



Red (71%)

Green (96%)

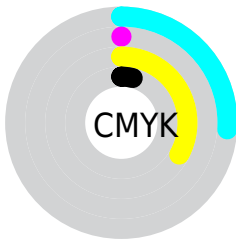
Blue (64%)



Red (64%)

Yellow (96%)

Blue (89%)

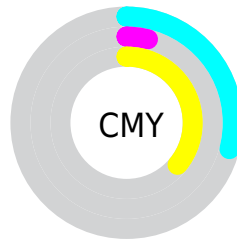


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (29%)

Magenta (4%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3193, 77.7729, 46.5883 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 58.3193, 77.7729, 46.5883 by changing the saturation by 10% instead.

■ 58.3193, 77.7729,
46.5883

■ 58.3193, 77.7729,
46.5883

408.3094,
487.3952, 389.5149

■ 42.3097, 57.8874,
32.3583

■ 101.5080,
130.2299, 86.4423

■ 29.5360, 41.7182,
21.3682

■ 129.4177,
163.5703, 112.9034

■ 19.6330, 28.8807,
13.1996

162.0249,
202.1644, 144.2785

■ 12.2353, 18.9906,
7.4338

199.6948,
246.3967, 180.9864

■ 6.9774, 11.6635,
3.6523

242.7929,
296.6515, 223.4454

■ 3.4942, 6.5150,
1.4366

291.6844,


■ 1.4202, 3.1607,


353.3133, 272.0741


0.1700


346.7348,
416.7664, 327.2911


 0.2705, 1.2162,
0.0000


 0.0000, 0.0749,
0.0000


 58.3193, 77.7729,
46.5883


 58.3193, 77.7729,
46.5883

 52.1533, 74.8261,
35.9299


 65.5301, 81.2138,
59.5186


 46.9766, 72.3406,
27.4073

 73.8259, 85.1600,
74.8362

 42.7373, 70.2953,
20.8778

 83.2519, 89.6347,
92.6548

 39.3762, 68.6632,
16.1791

 91.9440, 93.7880,
107.8647

■ 36.8269, 67.4140,
13.1236

■ 35.0120, 66.5127,
11.4831

■ 34.1632, 66.0860,
10.9553

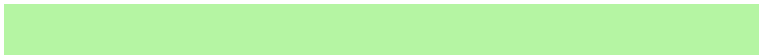
Harmonies

Analogous

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



67.5324, 77.7729, 35.5285



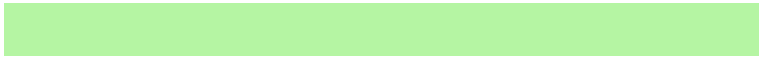
58.3193, 77.7729, 46.5883



53.5442, 77.7729, 70.0145

Triad

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



58.3193, 77.7729, 46.5883



68.6044, 77.7729, 167.3058



98.5365, 77.7729, 67.1956

Complementary

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



58.3193, 77.7729, 46.5883



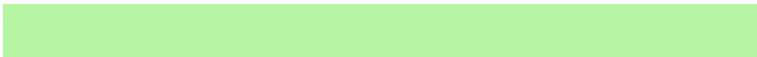
61.2607, 49.1202, 92.6427

Split Complementary

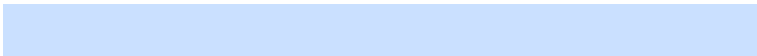
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.9046, 77.7729, 101.2658



58.3193, 77.7729, 46.5883



80.6999, 77.7729, 165.9409

Square

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



58.3193, 77.7729, 46.5883



59.0301, 77.7729, 142.6828



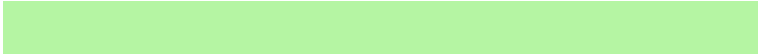
92.0827, 77.7729, 139.3466



91.1260, 77.7729, 45.0120

Rectangle

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



58.3193, 77.7729, 46.5883



53.1414, 77.7729, 92.3777



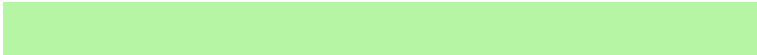
92.0827, 77.7729, 139.3466



99.5138, 77.7729, 77.4250

Sweetspot

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



58.3213, 77.7762, 46.5900



84.2657, 94.8838, 88.3684



71.4304, 76.3806, 45.6297



17.7337, 20.1653, 18.3453



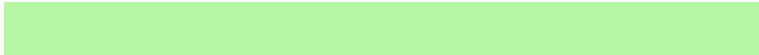
0.0000, 0.0000, 0.0000



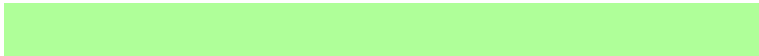
20.3446, 21.4041, 23.3091

Same Dimension

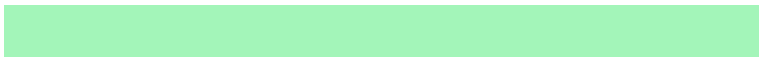
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3213, 77.7762, 46.5900



59.2760, 82.9787, 43.0293



56.5020, 76.5920, 57.6328



16.6223, 18.6473, 17.5208



18.4993, 35.6495, 5.9060



1.7101, 3.1767, 0.5230

Inverse Universe

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



61.2607, 49.1202, 92.6427



62.9192, 47.2610, 100.4138



64.0935, 50.9439, 76.3646



16.8370, 16.5741, 20.8543



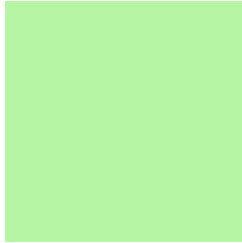
20.6077, 9.5980, 47.3045



1.8971, 0.8878, 4.1616

Previews

White Background



This preview shows how the XYZ color 58.3193, 77.7729, 46.5883 looks on a white background.

Color Contrast Check

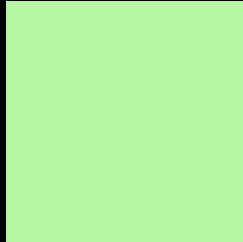
Large Text (above 18pt) WCAG AA × Fail

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 58.3193, 77.7729, 46.5883 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 58.3193, 77.7729, 46.5883

Background



This preview shows how black text looks on a background with the XYZ color 58.3193, 77.7729, 46.5883.

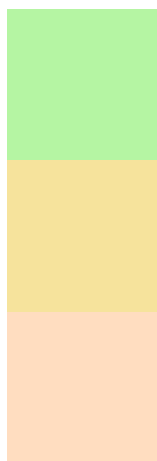


This preview shows how white text looks on a background with the XYZ color 58.3193, 77.7729,

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

58.3193, 77.7729, 46.5883

Protanopia

71.4759, 76.9313, 42.5345

Deuteranopia

76.6109, 76.7787, 60.6511



Tritanopia

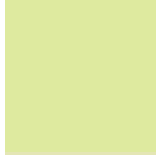
69.9174, 77.6732, 104.2359

Trichromacy



Original Color

58.3193, 77.7729, 46.5883



Protanomaly

65.8050, 76.8784, 44.1716



Deuteranomaly

68.6322, 76.4238, 54.8500



Tritanomaly

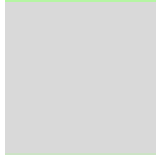
64.9787, 77.3927, 79.2237

Monochromacy



Original Color

58.3193, 77.7729, 46.5883



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.4490, 71.8068, 63.3920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3193, 77.7729, 46.5883 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(181, 245, 163)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 245, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 245, 163) }
```

Border

The CSS property to change the border of an element to XYZ 58.3193, 77.7729, 46.5883 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(181, 245, 163) }
```


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

```
.border{ border-color:rgb(181, 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(181, 245, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 245, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 245, 163);  
box-shadow:4px 4px 4px 4px rgb(181, 245,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3193, 77.7729, 46.5883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 245, 163) }
```

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

```
.background{ background-color: rgb(181,  
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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