

Converting Colors

XYZ(59.3194, 77.4270, 44.0028)

Have a look what the booklet for
XYZ(59.3194, 77.4270, 44.0028)
contains.

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Color

**XYZ(59.4574, 77.5170,
44.1763)**

Conversions

Conversions Part 1

Format	Color
Hex	BEF39E
RGB	190, 243, 158
RGB Percent	75%, 95%, 62%
CMY	0.2549, 0.0470, 0.3804
CMYK	0.22, 0.00, 0.35, 0.05
HSL	97°, 78%, 79%
HSV	97°, 35%, 95%
XYZ	59.4574, 77.5170, 44.1763
YIQ	217.4630, -4.3030, -37.6710

Conversions

Conversions Part 2

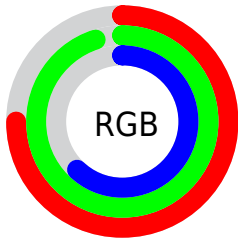
Format	Color
RYB	158, 243, 211
Decimal	12514206
CIELab	90.56, -31.69, 35.66
CIElCh	91, 47.704, 131.621
Yxy	77.5170, 0.3282, 0.4279
Android (android.graphics.Color)	4290704286 (0xFFBEF39E)
YUV	217.4630, -29.3153, -24.0851
Hunter-Lab	88.0437, -33.5325, 31.8816

Details

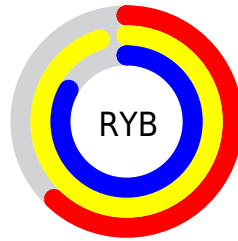
The XYZ color **59.4574, 77.5170, 44.1763** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.2718, 44.7759, 90.5277**, and the grayscale version is **66.4701, 69.9317, 76.1556**.

A 20% lighter version of the original color is **86.1280, 96.0983, 76.9602**, and **30.3635, 41.7322, 20.0905** is the 20% darker color. If you saturate the color by 10%, you get **53.9796, 74.9137, 34.0602**, and if you desaturate by 10%, it is **65.7463, 80.4953, 56.4923**.

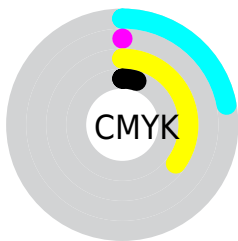
Distribution



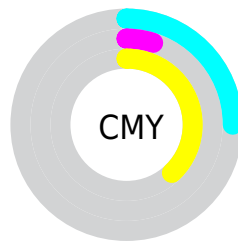
- Red (75%)
- Green (95%)
- Blue (62%)



- Red (62%)
- Yellow (95%)
- Blue (83%)



- Cyan (22%)
- Magenta (0%)
- Yellow (35%)
- Black (5%)



- Cyan (25%)
- Magenta (5%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4574, 77.5170, 44.1763 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 59.4574, 77.5170, 44.1763 by changing the saturation by 10% instead.

■ 59.4574, 77.5170,
44.1763

■ 59.4574, 77.5170,
44.1763

412.4617,
486.5249, 379.4896

■ 43.2292, 57.6773,
30.4709

■ 103.1530,
129.8690, 82.7883

■ 30.2603, 41.5493,
19.9412

■ 131.3511,
163.1501, 108.5319

■ 20.1853, 28.7485,
12.1687

164.2699,
201.6805, 139.1255

■ 12.6389, 18.8907,
6.7347

202.2748,
245.8445, 174.9874

■ 7.2556, 11.5913,
3.2208

245.7310,
296.0266, 216.5362

■ 3.6702, 6.4660,
1.2085


295.0040,


■ 1.5173, 3.1305,


352.6111, 264.1905


0.0000


350.4591,
415.9824, 318.3688


 0.3376, 1.2002,
0.0000


 0.0000, 0.0619,
0.0000


 59.4574, 77.5170,
44.1763


 59.4574, 77.5170,
44.1763

 53.9796, 74.9137,
34.0602


 65.7463, 80.4953,
56.4923


 49.2705, 72.6594,
26.0094

 72.8744, 83.8536,
71.1222

 45.2924, 70.7401,
19.8824

 80.8753, 87.6090,
88.1780

 42.0016, 69.1368,
15.5178

 89.7464, 91.7617,
107.5894

■ 39.3485, 67.8281,
12.7276

■ 91.3422, 92.5844,
107.6641

■ 37.2745, 66.7888,
11.2812

■ 36.4137, 66.3528,
10.8882

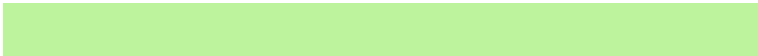
Harmonies

Analogous

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



69.1494, 77.5170, 34.9940



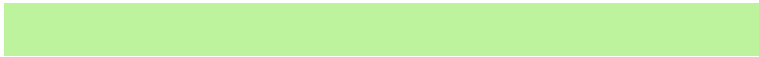
59.4574, 77.5170, 44.1763



53.9685, 77.5170, 65.3234

Triad

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



59.4574, 77.5170, 44.1763



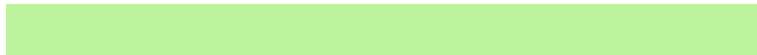
66.6736, 77.5170, 163.4329



98.5291, 77.5170, 71.8399

Complementary

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



59.4574, 77.5170, 44.1763



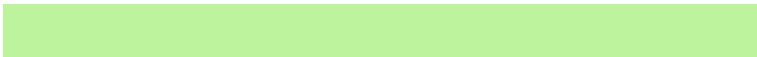
55.2718, 44.7759, 90.5277

Split Complementary

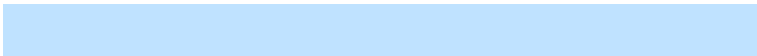
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6813, 77.5170, 106.8767



59.4574, 77.5170, 44.1763



78.3992, 77.5170, 166.5693

Square

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



59.4574, 77.5170, 44.1763



57.8140, 77.5170, 136.0357



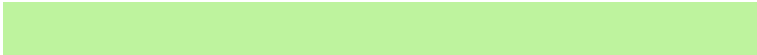
90.0015, 77.5170, 143.7099



92.2061, 77.5170, 47.8323

Rectangle

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



59.4574, 77.5170, 44.1763



53.0299, 77.5170, 86.2760



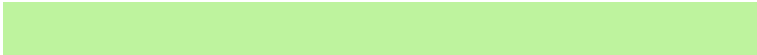
90.0015, 77.5170, 143.7099



99.0901, 77.5170, 82.5570

Sweetspot

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



59.4594, 77.5204, 44.1780



85.6029, 95.5731, 88.4310



66.2864, 67.8257, 41.9469



18.0556, 20.3313, 18.3604



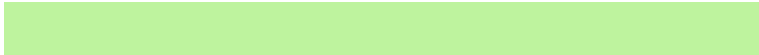
0.0000, 0.0000, 0.0000



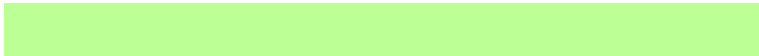
20.3446, 21.4041, 23.3091

Same Dimension

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



59.4594, 77.5204, 44.1780



61.8898, 84.3738, 40.9993



53.2136, 74.1979, 48.5235



16.8717, 18.7759, 17.5324



20.1216, 36.4859, 5.9820



1.8786, 3.2635, 0.5309

Inverse Universe

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



55.2718, 44.7759, 90.5277



56.5557, 42.7677, 99.8819



63.9119, 49.3985, 83.3233



16.5740, 16.4385, 20.8420



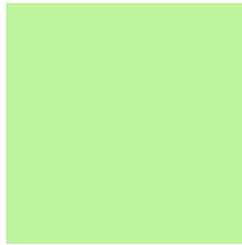
16.0915, 7.2698, 47.0931



1.5280, 0.6976, 4.1443

Previews

White Background



This preview shows how the XYZ color 59.4574, 77.5170, 44.1763 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 59.4574, 77.5170, 44.1763 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 59.4574, 77.5170, 44.1763

Background



This preview shows how black text looks on a background with the XYZ color 59.4574, 77.5170, 44.1763.

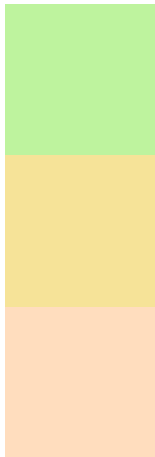


This preview shows how white text looks on a background with the XYZ color 59.4574, 77.5170,

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

59.4574, 77.5170, 44.1763

Protanopia

71.1426, 76.7980, 40.7796

Deuteranopia

76.3907, 76.6906, 59.4917



Tritanopia

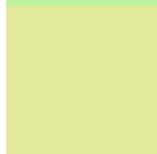
71.0138, 77.4527, 101.6495

Trichromacy



Original Color

59.4574, 77.5170, 44.1763



Protanomaly

66.3357, 76.7797, 41.8955



Deuteranomaly

69.0102, 76.2419, 53.1984



Tritanomaly

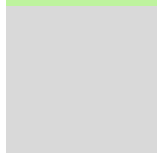
66.0730, 77.1428, 77.0533

Monochromacy



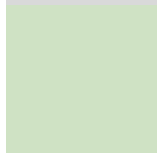
Original Color

59.4574, 77.5170, 44.1763



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.8923, 71.6436, 62.7384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4574, 77.5170, 44.1763 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(190, 243, 158)` looks like.

```
.text, #text, p{  
    color:rgb(190, 243, 158)  
}
```

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(190, 243, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 243, 158) }
```

Border

The CSS property to change the border of an element to XYZ 59.4574, 77.5170, 44.1763 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(190, 243, 158) }
```


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

```
.border{ border-color:rgb(190, 243, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 243, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 243, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 243, 158);  
box-shadow:4px 4px 4px 4px rgb(190, 243,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4574, 77.5170, 44.1763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 243, 158) }
```

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

```
.background{ background-color: rgb(190,  
243, 158) }
```

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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