

Converting Colors

XYZ(59.7357, 74.6915, 56.3970)

Have a look what the booklet for
XYZ(59.7357, 74.6915, 56.3970)
contains.

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Color

**XYZ(59.9222, 74.8479,
56.6363)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDEDB8</code>
RGB	<code>189, 237, 184</code>
RGB Percent	<code>74%, 93%, 72%</code>
CMY	<code>0.2588, 0.0706, 0.2784</code>
CMYK	<code>0.20, 0.00, 0.22, 0.07</code>
HSL	<code>114°, 60%, 83%</code>
HSV	<code>114°, 22%, 93%</code>
XYZ	<code>59.9222, 74.8479, 56.6363</code>
YIQ	<code>216.6060, -11.5950, -26.6590</code>

Conversions

Conversions Part 2

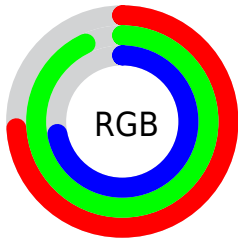
Format	Color
RYB	184, 237, 232
Decimal	12447160
CIELab	89.32, -25.24, 20.74
CIElCh	89, 32.671, 140.585
Yxy	74.8479, 0.3131, 0.3910
Android (android.graphics.Color)	4290637240 (0xFFBDEDB8)
YUV	216.6060, -16.0748, -24.2105
Hunter-Lab	86.5147, -27.7672, 21.7464

Details

The XYZ color **59.9222, 74.8479, 56.6363** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.7084, 57.5534, 87.7704**, and the grayscale version is **65.7975, 69.2241, 75.3850**.

A 20% lighter version of the original color is **89.4942, 97.4041, 96.5221**, and **30.6123, 39.8373, 27.5487** is the 20% darker color. If you saturate the color by 10%, you get **52.7071, 71.3940, 44.3987**, and if you desaturate by 10%, it is **68.3456, 78.8810, 71.1062**.

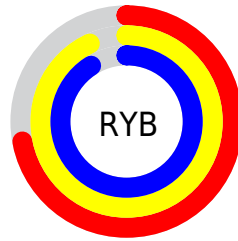
Distribution



Red (74%)

Green (93%)

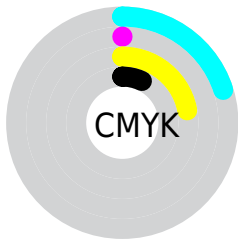
Blue (72%)



Red (72%)

Yellow (93%)

Blue (91%)

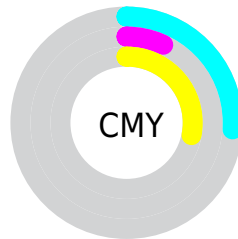


Cyan (20%)

Magenta (0%)

Yellow (22%)

Black (7%)



Cyan (26%)


Magenta (7%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9222, 74.8479, 56.6363 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 59.9222, 74.8479, 56.6363 by changing the saturation by 10% instead.


 59.9222, 74.8479,
56.6363

 59.9222, 74.8479,
56.6363


414.1503,
477.3946, 429.5406

 43.6051, 55.4883,
40.3059


 103.8238,
126.0970, 101.4294

 30.5568, 39.7928,
27.4615


132.1390,
158.7554, 130.7291

 20.4118, 27.3770,
17.6847


165.1844,
196.6154, 165.1890

 12.8047, 17.8566,
10.5567

203.3252,
240.0615, 205.2277

 7.3703, 10.8471,
5.6592

246.9269,
289.4780, 251.2637

 3.7431, 5.9641,
2.5736


296.3547,


 1.5579, 2.8233,


345.2495, 303.7154


0.8788


351.9740,
407.7602, 363.0016


 0.3647, 1.0402,
0.0000


 0.0000, 0.0000,
0.0000


 59.9222, 74.8479,
56.6363


 59.9222, 74.8479,
56.6363


 52.7071, 71.3940,
44.3987


 68.3456, 78.8810,
71.1062

 46.6391, 68.4835,
34.2777

 78.0230, 83.5080,
87.9066

 41.6607, 66.0917,
26.1547

 88.9883, 88.7485,
107.0477

 37.7069, 64.1879,
19.8974

 89.5757, 89.0513,
107.0752

■ 34.7058, 62.7381,
15.3577

■ 32.5762, 61.7043,
12.3649

■ 31.2227, 61.0417,
10.7131

■ 30.6244, 60.7460,
10.1111

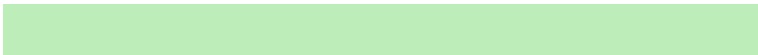
Harmonies

Analogous

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



65.8760, 74.8479, 46.8638



59.9222, 74.8479, 56.6363



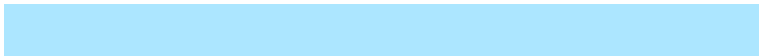
57.0387, 74.8479, 74.5105

Triad

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



59.9222, 74.8479, 56.6363



68.6576, 74.8479, 133.0497



86.5097, 74.8479, 66.9886

Complementary

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



59.9222, 74.8479, 56.6363



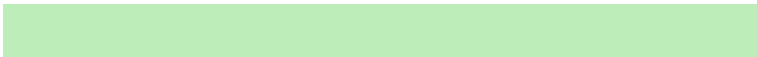
65.7084, 57.5534, 87.7704

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.



87.3942, 74.8479, 88.9064



59.9222, 74.8479, 56.6363



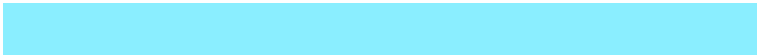
76.6787, 74.8479, 130.0010

Square

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



59.9222, 74.8479, 56.6363



61.8274, 74.8479, 120.4224



83.6786, 74.8479, 112.7380



81.3452, 74.8479, 52.0180

Rectangle

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



59.9222, 74.8479, 56.6363



57.0857, 74.8479, 89.8467



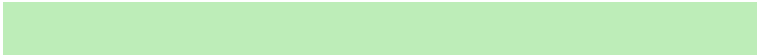
83.6786, 74.8479, 112.7380



87.3318, 74.8479, 73.6807

Sweetspot

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



59.9242, 74.8511, 56.6379



86.6084, 95.9650, 94.1941



72.3523, 79.0134, 56.7863



18.3895, 20.4696, 19.9040



0.0000, 0.0000, 0.0000



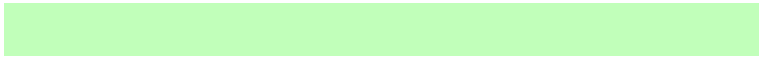
20.3446, 21.4041, 23.3091

Same Dimension

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



59.9242, 74.8511, 56.6379



66.5405, 86.3622, 59.7006



61.0974, 75.1796, 69.1773



15.0001, 16.9301, 15.9960



16.7666, 33.1880, 5.5222



1.3615, 2.6292, 0.4357

Inverse Universe

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



65.7084, 57.5534, 87.7704



74.5317, 62.4502, 102.7336



64.4370, 57.2350, 72.4842



15.5666, 15.2374, 19.0429



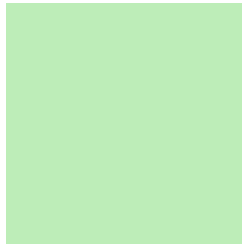
23.6501, 11.2280, 44.6637



1.8979, 0.9027, 3.5091

Previews

White Background



This preview shows how the XYZ color 59.9222, 74.8479, 56.6363 looks on a white background.

Color Contrast Check

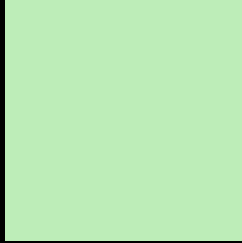
Large Text (above 18pt) WCAG AA × Fail

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 59.9222, 74.8479, 56.6363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

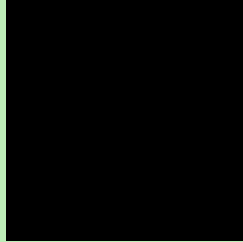
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9222, 74.8479, 56.6363

Background



This preview shows how black text looks on a background with the XYZ color 59.9222, 74.8479, 56.6363.

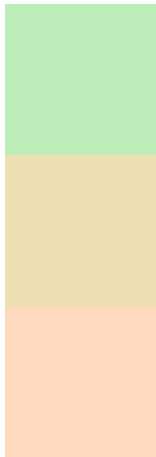


This preview shows how white text looks on a background with the XYZ color 59.9222, 74.8479,

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

59.9222, 74.8479, 56.6363

Protanopia

69.6835, 74.1668, 52.7624

Deuteranopia

75.3103, 74.1775, 60.2176



Tritanopia

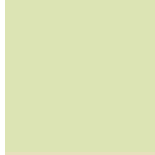
68.6272, 75.0334, 98.8615

Trichromacy



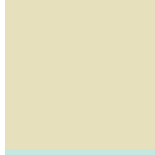
Original Color

59.9222, 74.8479, 56.6363



Protanomaly

65.4968, 73.9977, 54.0110



Deuteranomaly

68.7960, 73.9744, 58.7967



Tritanomaly

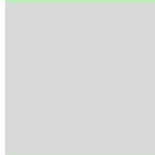
65.0761, 74.8308, 81.5349

Monochromacy



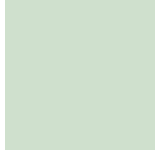
Original Color

59.9222, 74.8479, 56.6363



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.4072, 70.9845, 68.1171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9222, 74.8479, 56.6363 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(189, 237, 184)` looks like.

```
.text, #text, p{  
    color:rgb(189, 237, 184)  
}
```

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(189, 237, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 237, 184) }
```

Border

The CSS property to change the border of an element to XYZ 59.9222, 74.8479, 56.6363 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(189, 237, 184) }
```


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

```
.border{ border-color:rgb(189, 237, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 237, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 237, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 237, 184);  
box-shadow:4px 4px 4px 4px rgb(189, 237,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9222, 74.8479, 56.6363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 237, 184) }
```

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

```
.background{ background-color: rgb(189,  
237, 184) }
```

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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