

Converting Colors

XYZ(59.4455, 77.1538, 50.1067)

Have a look what the booklet for
XYZ(59.4455, 77.1538, 50.1067)
contains.

XYZ(59.3525, 76.8836, 50.2399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.3525, 76.8836,
50.2399)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF2AB
RGB	186, 242, 171
RGB Percent	73%, 95%, 67%
CMY	0.2706, 0.0510, 0.3294
CMYK	0.23, 0.00, 0.29, 0.05
HSL	107°, 73%, 81%
HSV	107°, 29%, 95%
XYZ	59.3525, 76.8836, 50.2399
YIQ	217.1620, -10.5850, -33.9530

Conversions

Conversions Part 2

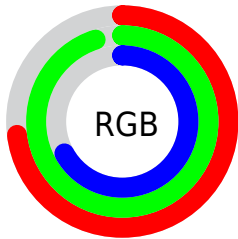
Format	Color
RYB	171, 242, 227
Decimal	12251819
CIELab	90.27, -30.68, 28.67
CIELCh	90, 41.995, 136.938
Yxy	76.8836, 0.3183, 0.4123
Android (android.graphics.Color)	4290441899 (0xFFBAF2AB)
YUV	217.1620, -22.7579, -27.3291
Hunter-Lab	87.6833, -32.6198, 27.4069

Details

The XYZ color **59.3525, 76.8836, 50.2399** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.2717, 51.8698, 90.7382**, and the grayscale version is **66.2225, 69.6712, 75.8719**.

A 20% lighter version of the original color is **86.5873, 96.1207, 86.6626**, and **30.1890, 41.2511, 23.5107** is the 20% darker color. If you saturate the color by 10%, you get **52.9224, 73.8136, 38.9805**, and if you desaturate by 10%, it is **66.8284, 80.4485, 63.7560**.

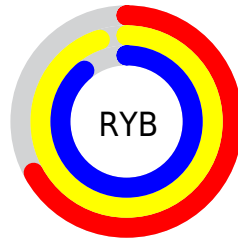
Distribution



Red (73%)

Green (95%)

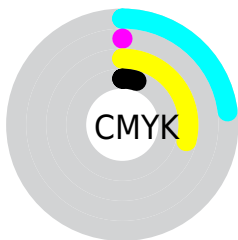
Blue (67%)



Red (67%)

Yellow (95%)

Blue (89%)

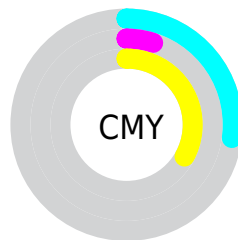


Cyan (23%)

Magenta (0%)

Yellow (29%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3525, 76.8836, 50.2399 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 59.3525, 76.8836, 50.2399 by changing the saturation by 10% instead.

■ 59.3525, 76.8836,
50.2399

■ 59.3525, 76.8836,
50.2399

412.0801,
484.3671, 404.3653

■ 43.1444, 57.1573,
35.2315

■ 103.0015,
128.9752, 91.9302

■ 30.1934, 41.1316,
23.5563

131.1731,
162.1093, 119.4492

■ 20.1343, 28.4219,
14.7957

164.0633,
200.4814, 151.9755

■ 12.6015, 18.6439,
8.5311

202.0374,
244.4760, 189.9276

■ 7.2298, 11.4133,
4.3440

245.4608,
294.4775, 233.7241

■ 3.6538, 6.3455,
1.8159

294.6988,

■ 1.5082, 3.0563,

350.8703, 283.7835

0.4384

350.1168,
414.0386, 340.5244

0.3314, 1.1612,
0.0000

0.0000, 0.0297,
0.0000

59.3525, 76.8836,
50.2399

59.3525, 76.8836,
50.2399

52.9224, 73.8136,
38.9805

66.8284, 80.4485,
63.7560

47.4848, 71.2069,
29.8499

75.3886, 84.5188,
79.6369

42.9904, 69.0432,
22.7156

85.0768, 89.1170,
97.9902

39.3831, 67.2968,
17.4279

91.0437, 91.9873,
107.5646

■ 36.6004, 65.9394,
13.8161

■ 34.5710, 64.9384,
11.6779

■ 33.1983, 64.2511,
10.6979

■ 33.1250, 64.2143,
10.6487

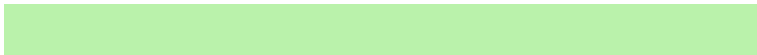
Harmonies

Analogous

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



67.3750, 76.8836, 39.8389



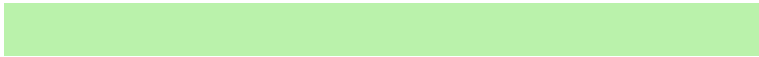
59.3525, 76.8836, 50.2399



55.1930, 76.8836, 71.3657

Triad

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



59.3525, 76.8836, 50.2399



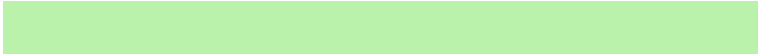
68.6264, 76.8836, 153.2380



94.0386, 76.8836, 68.0382

Complementary

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



59.3525, 76.8836, 50.2399



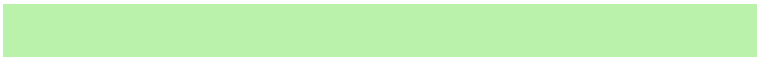
62.2717, 51.8698, 90.7382

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.



94.4554, 76.8836, 97.4085



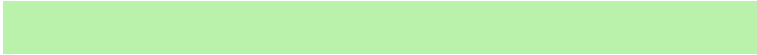
59.3525, 76.8836, 50.2399



79.0889, 76.8836, 151.7352

Square

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



59.3525, 76.8836, 50.2399



60.1931, 76.8836, 133.2050



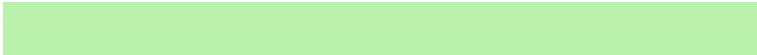
88.7659, 76.8836, 129.4884



87.6762, 76.8836, 48.3068

Rectangle

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



59.3525, 76.8836, 50.2399



54.8843, 76.8836, 90.8605



88.7659, 76.8836, 129.4884



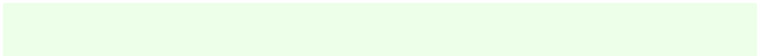
94.8986, 76.8836, 76.9509

Sweetspot

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



59.3545, 76.8869, 50.2416



85.2236, 95.3360, 90.2911



71.3362, 76.5497, 49.5450



17.9223, 20.2543, 18.7282



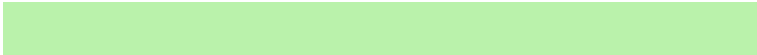
0.0000, 0.0000, 0.0000



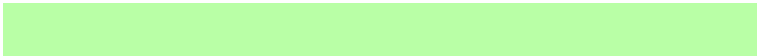
20.3446, 21.4041, 23.3091

Same Dimension

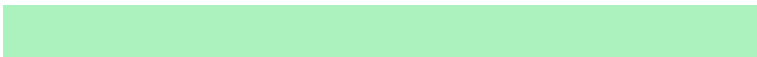
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.3545, 76.8869, 50.2416



62.5320, 84.5290, 48.9762



57.9659, 75.9324, 60.9606



15.8779, 17.8172, 16.7519



17.8860, 34.5421, 5.7246



1.5686, 2.9151, 0.4800

Inverse Universe

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



62.2717, 51.8698, 90.7382



66.2817, 52.2596, 101.2014



64.3528, 53.2728, 75.9192



16.1084, 15.8531, 19.9326



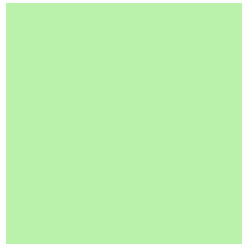
20.2546, 9.4470, 45.8838



1.7657, 0.8275, 3.8209

Previews

White Background



This preview shows how the XYZ color 59.3525, 76.8836, 50.2399 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 59.3525, 76.8836, 50.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

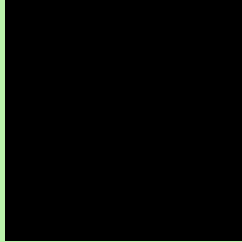
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3525, 76.8836, 50.2399

Background



This preview shows how black text looks on a background with the XYZ color 59.3525, 76.8836, 50.2399.

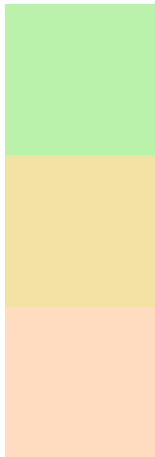


This preview shows how white text looks on a background with the XYZ color 59.3525, 76.8836,

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

59.3525, 76.8836, 50.2399

Protanopia

70.8593, 76.1277, 46.0814

Deuteranopia

76.3476, 76.2522, 60.5634



Tritanopia

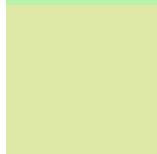
69.6651, 76.7575, 101.5864

Trichromacy



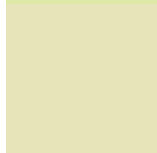
Original Color

59.3525, 76.8836, 50.2399



Protanomaly

65.9559, 76.0328, 47.7588



Deuteranomaly

69.0283, 75.7705, 56.3344



Tritanomaly

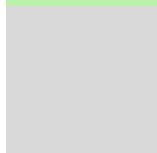
65.2947, 76.6807, 79.7661

Monochromacy



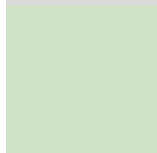
Original Color

59.3525, 76.8836, 50.2399



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.0753, 71.6847, 65.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3525, 76.8836, 50.2399 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(186, 242, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 242, 171)  
}
```

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(186, 242, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 242, 171) }
```

Border

The CSS property to change the border of an element to XYZ 59.3525, 76.8836, 50.2399 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(186, 242, 171) }
```


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

```
.border{ border-color:rgb(186, 242, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 242, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 242, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 242, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 242,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3525, 76.8836, 50.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 242, 171) }
```

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

```
.background{ background-color: rgb(186,  
242, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor