

Converting Colors

XYZ(59.7041, 80.3570, 52.6999)

Have a look what the booklet for
XYZ(59.7041, 80.3570, 52.6999)
contains.

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Color

**XYZ(59.5180, 80.0766,
52.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F9AF
RGB	176, 249, 175
RGB Percent	69%, 98%, 69%
CMY	0.3098, 0.0235, 0.3137
CMYK	0.29, 0.00, 0.30, 0.02
HSL	119°, 86%, 83%
HSV	119°, 30%, 98%
XYZ	59.5180, 80.0766, 52.8768
YIQ	218.7370, -19.7540, -38.4900

Conversions

Conversions Part 2

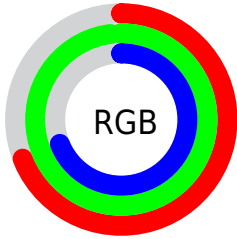
Format	Color
RYB	175, 249, 248
Decimal	11598255
CIELab	91.72, -36.54, 28.52
CIELCh	92, 46.352, 142.030
Yxy	80.0766, 0.3092, 0.4160
Android (android.graphics.Color)	4289788335 (0xFFB0F9AF)
YUV	218.7370, -21.5623, -37.4803
Hunter-Lab	89.4855, -37.8770, 27.6055

Details

The XYZ color **59.5180, 80.0766, 52.8768** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.1438, 57.4583, 96.9676**, and the grayscale version is **67.3059, 70.8110, 77.1132**.

A 20% lighter version of the original color is **83.7881, 94.6132, 89.4474**, and **30.2476, 43.1694, 25.1507** is the 20% darker color. If you saturate the color by 10%, you get **52.2342, 76.5810, 40.9257**, and if you desaturate by 10%, it is **68.2620, 84.2775, 67.2534**.

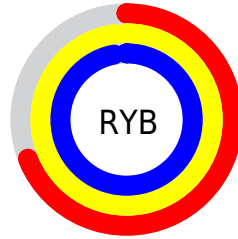
Distribution



Red (69%)

Green (98%)

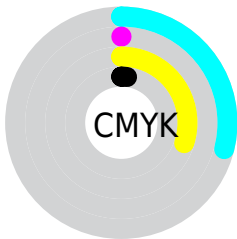
Blue (69%)



Red (69%)

Yellow (98%)

Blue (97%)

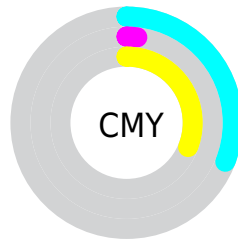


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (2%)



Cyan (31%)

Magenta (2%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5180, 80.0766, 52.8768 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 59.5180, 80.0766, 52.8768 by changing the saturation by 10% instead.

■ 59.5180, 80.0766,
52.8768

■ 59.5180, 80.0766,
52.8768

412.6821,
495.1909, 414.8652

■ 43.2782, 59.7814,
37.3174

■ 103.2405,
133.4734, 95.8628

■ 30.2989, 43.2425,
25.1556

131.4539,
167.3438, 124.1264

■ 20.2148, 30.0754,
15.9730

164.3892,
206.5081, 157.4618

■ 12.6605, 19.8958,
9.3509

202.4118,
251.3506, 196.2876

■ 7.2705, 12.3193,
4.8708

245.8871,
302.2557, 241.0223

■ 3.6797, 6.9616,
2.1143

295.1803,

■ 1.5226, 3.4381,

359.6079, 292.0844

0.6242

350.6569,
423.7915, 349.8925

■ 0.3411, 1.3645,
0.0000

■ 0.0000, 0.1903,
0.0000

■ 59.5180, 80.0766,
52.8768

■ 59.5180, 80.0766,
52.8768

■ 52.2342, 76.5810,
40.9257

■ 68.2620, 84.2775,
67.2534

■ 46.3252, 73.7426,
31.2617

■ 78.5329, 89.2085,
84.1734

■ 41.7065, 71.5233,
23.7403

■ 90.4011, 94.9057,
103.7532

■ 38.2819, 69.8769,
18.1986

■ 93.1673, 96.2345,
108.2724

■ 35.9414, 68.7509,
14.4504

■ 34.5551, 68.0830,
12.2740

■ 33.9318, 67.7822,
11.3150

■ 33.9193, 67.7762,
11.2944

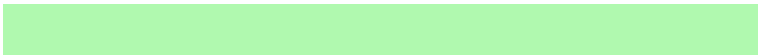
Harmonies

Analogous

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



67.8767, 80.0766, 39.5953



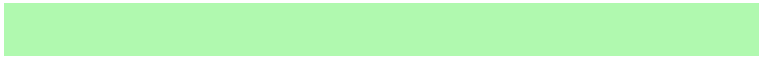
59.5180, 80.0766, 52.8768



55.6945, 80.0766, 78.4474

Triad

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



59.5180, 80.0766, 52.8768



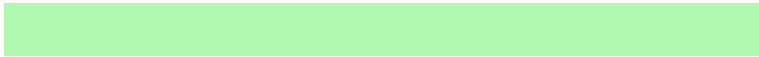
72.9932, 80.0766, 169.1367



99.2564, 80.0766, 64.9243

Complementary

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



59.5180, 80.0766, 52.8768



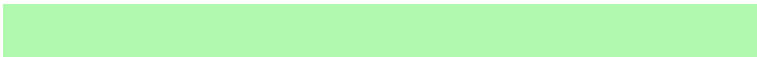
71.1438, 57.4583, 96.9676

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.



100.9900, 80.0766, 96.5587



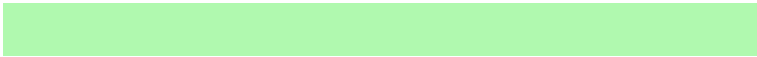
59.5180, 80.0766, 52.8768



84.9844, 80.0766, 162.7853

Square

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



59.5180, 80.0766, 52.8768



62.9298, 80.0766, 149.4424



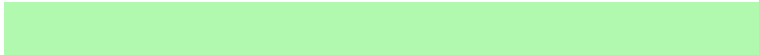
95.5312, 80.0766, 133.8376



91.0138, 80.0766, 45.1878

Rectangle

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



59.5180, 80.0766, 52.8768



55.9224, 80.0766, 101.5156



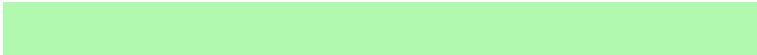
95.5312, 80.0766, 133.8376



100.6518, 80.0766, 74.2795

Sweetspot

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



59.5201, 80.0800, 52.8786



83.7282, 94.5651, 90.2211



80.3041, 90.2304, 53.7424



17.5574, 20.0661, 18.7111



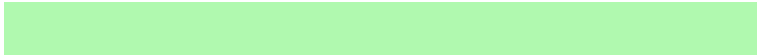
0.0000, 0.0000, 0.0000



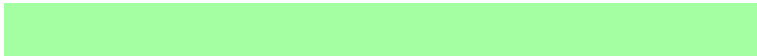
20.3446, 21.4041, 23.3091

Same Dimension

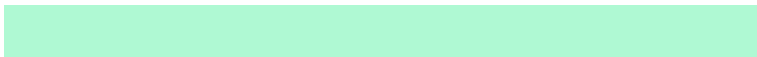
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.5201, 80.0800, 52.8786



57.7894, 82.1108, 47.5475



63.2861, 81.5604, 73.8844



17.0390, 19.3204, 18.2936



18.1650, 36.2827, 6.0459



1.6898, 3.3642, 0.5603

Inverse Universe

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



71.1438, 57.4583, 96.9676



71.9684, 54.5113, 101.3363



66.4395, 55.6177, 70.3422



17.9685, 17.5119, 21.8184



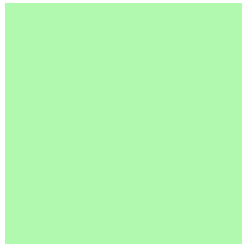
29.4398, 14.1194, 49.1472



2.7339, 1.3114, 4.5522

Previews

White Background



This preview shows how the XYZ color 59.5180, 80.0766, 52.8768 looks on a white background.

Color Contrast Check

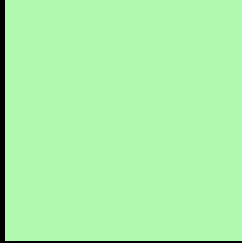
Large Text (above 18pt) WCAG AA × Fail

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 59.5180, 80.0766, 52.8768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

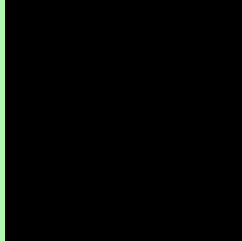
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

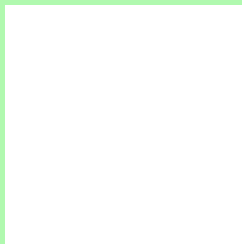
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.5180, 80.0766, 52.8768

Background



This preview shows how black text looks on a background with the XYZ color 59.5180, 80.0766, 52.8768.



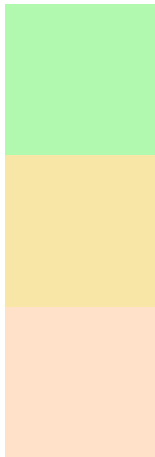
This preview shows how white text looks on a background with the XYZ color 59.5180, 80.0766,

52.8768.

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

59.5180, 80.0766, 52.8768

Protanopia

73.9833, 79.3401, 47.9741

Deuteranopia

78.8259, 79.3747, 67.0434



Tritanopia

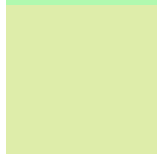
71.1302, 79.9712, 106.2948

Trichromacy



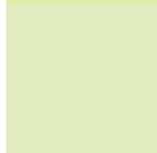
Original Color

59.5180, 80.0766, 52.8768



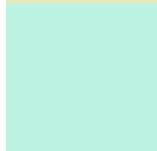
Protanomaly

67.6641, 79.0002, 49.7125



Deuteranomaly

70.3013, 78.8202, 61.3777



Tritanomaly

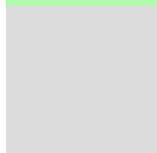
66.2186, 79.6866, 83.8425

Monochromacy



Original Color

59.5180, 80.0766, 52.8768



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.7049, 73.6019, 67.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5180, 80.0766, 52.8768 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(176, 249, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 249, 175)  
}
```

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(176, 249, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 249, 175) }
```

Border

The CSS property to change the border of an element to XYZ 59.5180, 80.0766, 52.8768 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(176, 249, 175) }
```


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

```
.border{ border-color:rgb(176, 249, 175) }
```

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

Here you see how a box with a 4 pixel rgb(176, 249, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 249, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 249, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 249,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5180, 80.0766, 52.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 249, 175) }
```

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

```
.background{ background-color: rgb(176,  
249, 175) }
```

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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