

Converting Colors

XYZ(57.8209, 76.7519, 39.2302)

Have a look what the booklet for
XYZ(57.8209, 76.7519, 39.2302)
contains.

XYZ(57.8106, 76.7726, 39.3754)	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(57.8106, 76.7726,
39.3754)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF393
RGB	187, 243, 147
RGB Percent	73%, 95%, 58%
CMY	0.2667, 0.0470, 0.4235
CMYK	0.23, 0.00, 0.40, 0.05
HSL	95°, 80%, 76%
HSV	95°, 40%, 95%
XYZ	57.8106, 76.7726, 39.3754
YIQ	215.3120, -2.5600, -41.7280

Conversions

Conversions Part 2

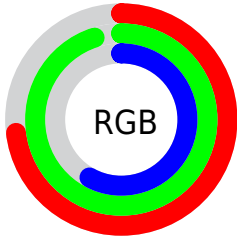
Format	Color
RYB	147, 243, 203
Decimal	12317587
CIELab	90.22, -34.20, 40.64
CIELCh	90, 53.114, 130.076
Yxy	76.7726, 0.3323, 0.4413
Android (android.graphics.Color)	4290507667 (0xFFBBF393)
YUV	215.3120, -33.6778, -24.8296
Hunter-Lab	87.6200, -35.5628, 34.6897

Details

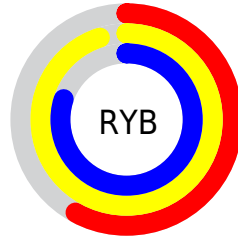
The XYZ color **57.8106, 76.7726, 39.3754** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.2433, 40.0372, 89.8254**, and the grayscale version is **65.0270, 68.4135, 74.5023**.

A 20% lighter version of the original color is **84.0769, 95.1967, 69.8206**, and **29.3516, 41.2724, 17.2459** is the 20% darker color. If you saturate the color by 10%, you get **52.8035, 74.3912, 30.2172**, and if you desaturate by 10%, it is **63.5668, 79.4983, 50.6742**.

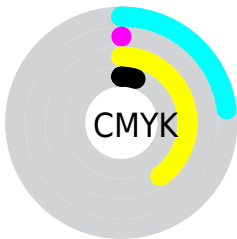
Distribution



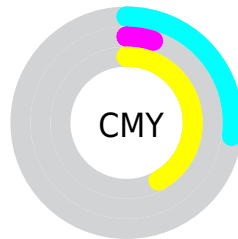
- Red (73%)
- Green (95%)
- Blue (58%)



- Red (58%)
- Yellow (95%)
- Blue (80%)



- Cyan (23%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (27%)
- Magenta (5%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8106, 76.7726, 39.3754 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 57.8106, 76.7726, 39.3754 by changing the saturation by 10% instead.


 57.8106, 76.7726,
39.3754


 57.8106, 76.7726,
39.3754


406.4451,
483.9884, 358.9574

 41.8991, 57.0663,
26.7418


 100.7715,
128.8184, 75.4381

 29.2130, 41.0584,
17.1487


 128.5517,
161.9267, 99.7043

 19.3871, 28.3648,
10.1775


161.0187,
200.2711, 128.6851

 12.0560, 18.6008,
5.4097

198.5380,
244.2360, 162.7991

 6.8543, 11.3822,
2.4267

241.4750,
294.2057, 202.4648

 3.4167, 6.3245,
0.8009


290.1949,


 1.3777, 3.0434,


350.5648, 248.1007


0.0000


345.0631,
413.6975, 300.1254

 0.2403, 1.1544,
0.0000


 0.0000, 0.0240,
0.0000


 57.8106, 76.7726,
39.3754


 57.8106, 76.7726,
39.3754


 52.8035, 74.3912,
30.2172


 63.5668, 79.4983,
50.6742


 48.5042, 72.3289,
23.0594

 70.0990, 82.5724,
64.2319

 44.8759, 70.5721,
17.7530

 77.4399, 86.0118,
80.1641

 41.8750, 69.1022,
14.1261

 85.6184, 89.8289,
98.5773

■ 39.4515, 67.8980,
11.9746

■ 91.3422, 92.5844,
107.6641

■ 37.5319, 66.9285,
10.9748

■ 37.4464, 66.8852,
10.9365

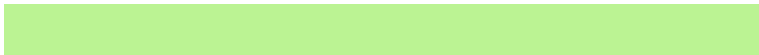
Harmonies

Analogous

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



68.6164, 76.7726, 30.4838



57.8106, 76.7726, 39.3754



51.6033, 76.7726, 61.1759

Triad

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



57.8106, 76.7726, 39.3754



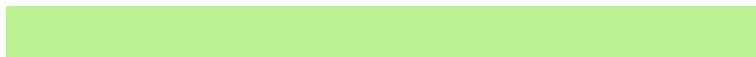
64.6534, 76.7726, 172.3118



100.9394, 76.7726, 71.5020

Complementary

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



57.8106, 76.7726, 39.3754



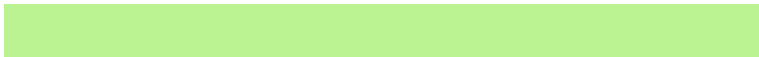
51.2433, 40.0372, 89.8254

Split Complementary

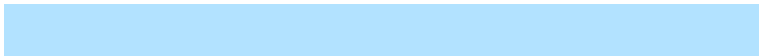
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.5451, 76.7726, 110.9080



57.8106, 76.7726, 39.3754



77.5041, 76.7726, 177.5990

Square

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



57.8106, 76.7726, 39.3754



55.2111, 76.7726, 139.7058



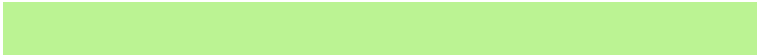
90.5719, 76.7726, 152.5119



94.1791, 76.7726, 44.9657

Rectangle

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



57.8106, 76.7726, 39.3754



50.4062, 76.7726, 83.6890



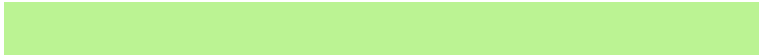
90.5719, 76.7726, 152.5119



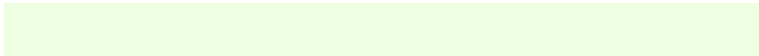
101.4265, 76.7726, 83.4957

Sweetspot

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



57.8125, 76.7759, 39.3771



84.2437, 94.9537, 84.6936



63.5876, 63.8762, 36.5828



17.7974, 20.2143, 17.6159



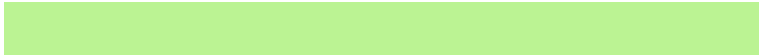
0.0000, 0.0000, 0.0000



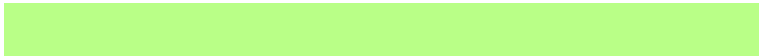
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8125, 76.7759, 39.3771



60.1715, 83.5982, 35.9418



50.0019, 72.6743, 42.4038



16.9364, 18.8092, 17.5355



20.6962, 36.7821, 6.0088



1.9332, 3.2916, 0.5335

Inverse Universe

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



51.2433, 40.0372, 89.8254



51.9301, 37.5784, 99.1241



62.3943, 45.9224, 84.1765



16.5075, 16.4042, 20.8389



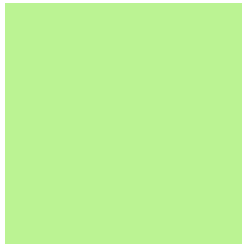
15.1357, 6.7771, 47.0484



1.4471, 0.6559, 4.1406

Previews

White Background



This preview shows how the XYZ color 57.8106, 76.7726, 39.3754 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 57.8106, 76.7726, 39.3754 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 57.8106, 76.7726, 39.3754

Background



This preview shows how black text looks on a background with the XYZ color 57.8106, 76.7726, 39.3754.



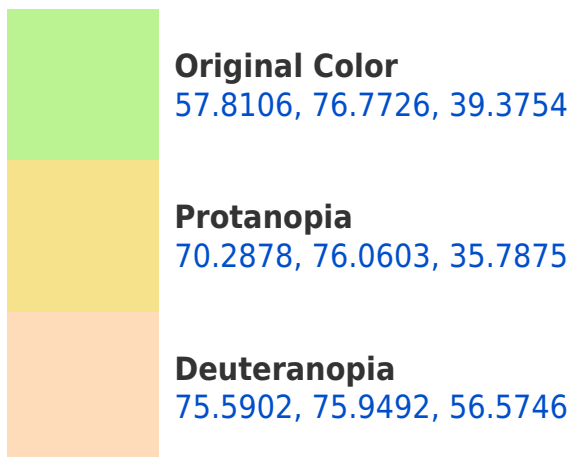
This preview shows how white text looks on a background with the XYZ color 57.8106, 76.7726,

39.3754.

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





Tritanopia

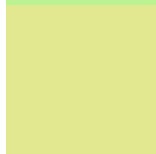
70.3034, 76.6879, 100.7194

Trichromacy



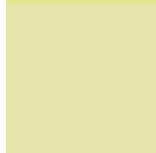
Original Color

57.8106, 76.7726, 39.3754



Protanomaly

64.8659, 75.7039, 37.1801



Deuteranomaly

67.7272, 75.2501, 49.4832



Tritanomaly

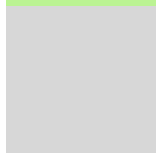
64.6180, 76.0404, 73.5589

Monochromacy



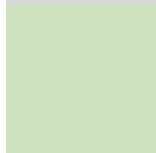
Original Color

57.8106, 76.7726, 39.3754



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.3963, 70.5473, 59.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8106, 76.7726, 39.3754 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(187, 243, 147)` looks like.

```
.text, #text, p{  
    color:rgb(187, 243, 147)  
}
```

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(187, 243, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 243, 147) }
```

Border

The CSS property to change the border of an element to XYZ 57.8106, 76.7726, 39.3754 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(187, 243, 147) }
```


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

```
.border{ border-color:rgb(187, 243, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 243, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 243, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 243, 147); box-shadow:4px 4px 4px 4px rgb(187, 243, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8106, 76.7726, 39.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 243, 147) }
```

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

```
.background{ background-color: rgb(187,  
243, 147) }
```

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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