

Converting Colors

XYZ(57.6432, 78.3680, 45.0286)

Have a look what the booklet for
XYZ(57.6432, 78.3680, 45.0286)
contains.

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Color

**XYZ(57.6502, 78.3718,
44.8897)**

Conversions

Conversions Part 1

Format	Color
Hex	B1F79F
RGB	177, 247, 159
RGB Percent	69%, 97%, 62%
CMY	0.3059, 0.0314, 0.3765
CMYK	0.28, 0.00, 0.36, 0.03
HSL	108°, 85%, 80%
HSV	108°, 36%, 97%
XYZ	57.6502, 78.3718, 44.8897
YIQ	216.0380, -13.4720, -42.2080

Conversions

Conversions Part 2

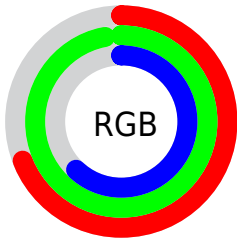
Format	Color
RYB	159, 247, 229
Decimal	11663263
CIELab	90.95, -37.74, 35.54
CIElCh	91, 51.845, 136.721
Yxy	78.3718, 0.3187, 0.4332
Android (android.graphics.Color)	4289853343 (0xFFB1F79F)
YUV	216.0380, -28.1197, -34.2363
Hunter-Lab	88.5278, -38.6828, 31.9054

Details

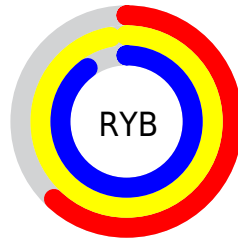
The XYZ color **57.6502, 78.3718, 44.8897** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.5032, 48.1721, 94.0564**, and the grayscale version is **65.4900, 68.9006, 75.0327**.

A 20% lighter version of the original color is **81.8293, 93.8675, 77.4237**, and **29.0410, 42.0051, 20.2128** is the 20% darker color. If you saturate the color by 10%, you get **51.5599, 75.4579, 34.5122**, and if you desaturate by 10%, it is **64.8173, 81.7960, 57.5564**.

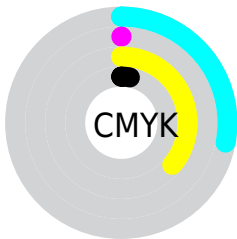
Distribution



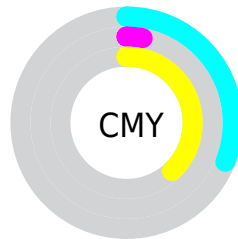
- Red (69%)
- Green (97%)
- Blue (62%)



- Red (62%)
- Yellow (97%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (36%)
- Black (3%)





- Cyan (31%)
- Magenta (3%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6502, 78.3718, 44.8897 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 57.6502, 78.3718, 44.8897 by changing the saturation by 10% instead.


 57.6502, 78.3718,
44.8897


 57.6502, 78.3718,
44.8897


405.8561,
489.4286, 382.4738

 41.7697, 58.3795,
31.0282


 100.5392,
131.0741, 83.8716

 29.1113, 42.1138,
20.3617


 128.2784,
164.5529, 109.8291

 19.3097, 29.1904,
12.4716


160.7011,
203.2959, 140.6556

 11.9996, 19.2249,
6.9393

198.1728,
247.6875, 176.7698

 6.8156, 11.8329,
3.3463

241.0588,
298.1122, 218.5902

 3.3924, 6.6300,
1.2740

289.7245,

 1.3645, 3.2318,

354.9544, 266.5353

0.0404

344.5351,
418.5984, 321.0236

0.2307, 1.2539,
0.0000

0.0000, 0.1051,
0.0000

57.6502, 78.3718,
44.8897

57.6502, 78.3718,
44.8897

51.5599, 75.4579,
34.5122

64.8173, 81.7960,
57.5564

46.4873, 73.0198,
26.2825

73.1044, 85.7430,
72.6323

42.3767, 71.0343,
20.0513

82.5597, 90.2376,
90.2351

39.1641, 69.4723,
15.6482

92.5523, 95.0047,
108.0674

■ 36.7774, 68.3008,
12.8743

■ 35.1316, 67.4815,
11.4842

■ 34.6034, 67.2160,
11.1502

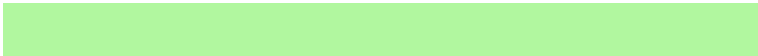
Harmonies

Analogous

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



67.4905, 78.3718, 33.2957



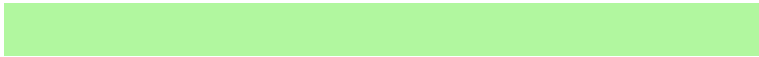
57.6502, 78.3718, 44.8897



52.6093, 78.3718, 69.8460

Triad

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



57.6502, 78.3718, 44.8897



68.8653, 78.3718, 176.3044



101.2453, 78.3718, 66.2545

Complementary

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



57.6502, 78.3718, 44.8897



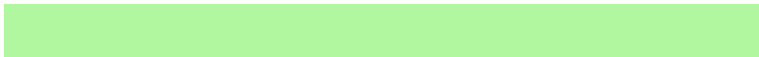
61.5032, 48.1721, 94.0564

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.



101.7255, 78.3718, 102.9564



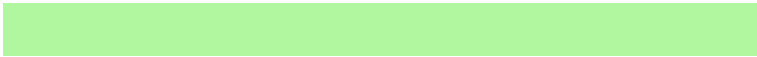
57.6502, 78.3718, 44.8897



81.9576, 78.3718, 174.4951

Square

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



57.6502, 78.3718, 44.8897



58.5549, 78.3718, 149.1930



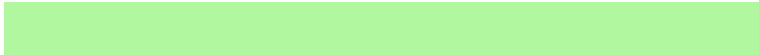
94.3261, 78.3718, 144.7993



93.0820, 78.3718, 42.9265

Rectangle

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



57.6502, 78.3718, 44.8897



52.2144, 78.3718, 94.0381



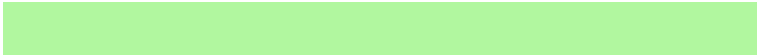
94.3261, 78.3718, 144.7993



102.3412, 78.3718, 77.1835

Sweetspot

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



57.6522, 78.3752, 44.8914



83.1203, 94.3342, 86.4643



72.3441, 77.7310, 43.9927



17.4997, 20.0528, 17.9655



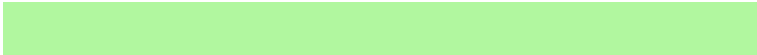
0.0000, 0.0000, 0.0000



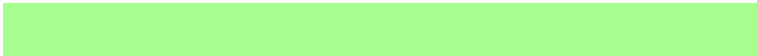
20.3446, 21.4041, 23.3091

Same Dimension

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



57.6522, 78.3752, 44.8914



56.9985, 81.8753, 39.7292



56.2060, 77.3539, 57.2810



16.5988, 18.6352, 17.5197



18.3925, 35.5945, 5.9010



1.6976, 3.1702, 0.5224

Inverse Universe

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



61.5032, 48.1721, 94.0564



61.6945, 44.8301, 100.0092



63.9525, 49.8500, 75.4086



16.8623, 16.5872, 20.8555



21.1059, 9.8548, 47.3278



1.9368, 0.9083, 4.1635

Previews

White Background



This preview shows how the XYZ color 57.6502, 78.3718, 44.8897 looks on a white background.

Color Contrast Check

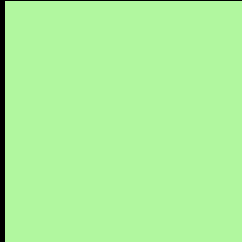
Large Text (above 18pt) WCAG AA × Fail

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 57.6502, 78.3718, 44.8897 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 57.6502, 78.3718, 44.8897

Background



This preview shows how black text looks on a background with the XYZ color 57.6502, 78.3718, 44.8897.

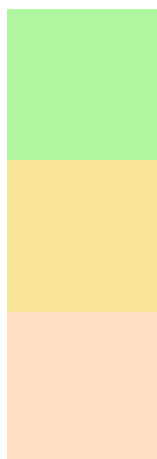


This preview shows how white text looks on a background with the XYZ color 57.6502, 78.3718,

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

57.6502, 78.3718, 44.8897

Protanopia

72.0407, 77.6776, 40.4745

Deuteranopia

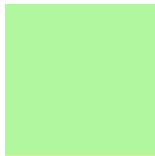
76.9869, 77.3528, 61.3250



Tritanopia

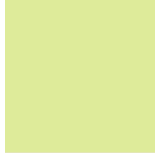
69.5900, 77.9099, 105.1363

Trichromacy



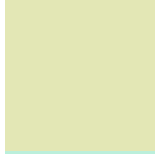
Original Color

57.6502, 78.3718, 44.8897



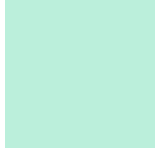
Protanomaly

65.6653, 77.2794, 42.0273



Deuteranomaly

68.5950, 76.8189, 54.9283



Tritanomaly

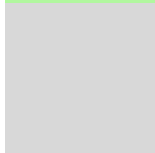
64.1462, 77.4123, 78.5790

Monochromacy



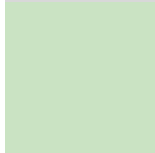
Original Color

57.6502, 78.3718, 44.8897



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.6765, 71.4349, 62.1674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6502, 78.3718, 44.8897 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(177, 247, 159)` looks like.

```
.text, #text, p{  
    color:rgb(177, 247, 159)  
}
```

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(177, 247, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 247, 159) }
```

Border

The CSS property to change the border of an element to XYZ 57.6502, 78.3718, 44.8897 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(177, 247, 159) }
```


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

```
.border{ border-color:rgb(177, 247, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 247, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 247, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 247, 159);  
box-shadow:4px 4px 4px 4px rgb(177, 247,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6502, 78.3718, 44.8897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 247, 159) }
```

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

```
.background{ background-color: rgb(177,  
247, 159) }
```

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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