

Converting Colors

XYZ(79.7651, 109.4445,
60.9632)

Have a look what the booklet for
XYZ(79.7651, 109.4445, 60.9632)
contains.

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Color

**XYZ(68.8321, 87.5939,
57.5354)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFB6
RGB	203, 255, 182
RGB Percent	80%, 100%, 71%
CMY	0.2039, 0.0000, 0.2863
CMYK	0.20, 0.00, 0.29, 0.00
HSL	103°, 100%, 86%
HSV	103°, 29%, 100%
XYZ	68.8321, 87.5939, 57.5354
YIQ	231.1300, -7.5590, -33.7270

Conversions

Conversions Part 2

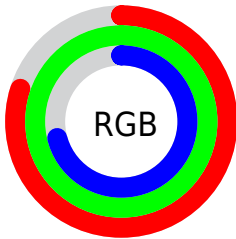
Format	Color
RYB	182, 255, 234
Decimal	13369270
CIELab	94.99, -29.40, 29.67
CIElCh	95, 41.766, 134.734
Yxy	87.5939, 0.3217, 0.4094
Android (android.graphics.Color)	4291559350 (0xFFCBBFB6)
YUV	231.1300, -24.2211, -24.6700
Hunter-Lab	93.5916, -32.5072, 29.0656

Details

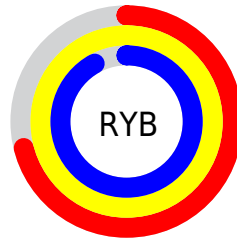
The XYZ color **68.8321, 87.5939, 57.5354** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.7106, 58.1695, 102.2141**, and the grayscale version is **76.2307, 80.2006, 87.3385**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **36.3693, 48.2690, 28.1689** is the 20% darker color. If you saturate the color by 10%, you get **61.7715, 84.2313, 44.6785**, and if you desaturate by 10%, it is **76.9533, 91.4478, 72.9493**.

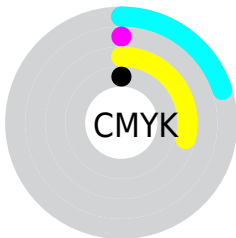
Distribution



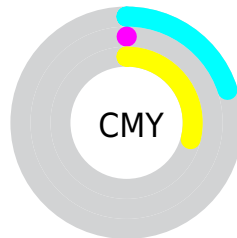
- Red (80%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (92%)



- Cyan (20%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8321, 87.5939, 57.5354 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 68.8321, 87.5939, 57.5354 by changing the saturation by 10% instead.


 68.8321, 87.5939,
57.5354

 68.8321, 87.5939,
57.5354


445.7692,
520.1724, 433.0023

 50.8511, 65.9868,
41.0230


 116.5771,
143.9916, 102.7541

 36.3107, 48.2617,
28.0172


147.0719,
179.5511, 132.2974

 24.8455, 34.0342,
18.0995


182.4686,
220.5301, 167.0216

 16.0901, 22.9198,
10.8513

223.1326,
267.3131, 207.3450

 9.6792, 14.5343,
5.8540

269.4294,
320.2844, 253.6862

 5.2474, 8.4932,
2.6892

321.7241,

 2.4294, 4.4121,

379.8284, 306.4638

0.9380

380.3823,
446.3297, 366.0963

■ 0.8598, 1.9067,
0.0000

■ 0.0000, 0.5524,
0.0000

■ 68.8321, 87.5939,
57.5354

■ 68.8321, 87.5939,
57.5354

■ 61.7715, 84.2313,
44.6785

■ 76.9533, 91.4478,
72.9493

■ 55.7240, 81.3385,
34.2365

■ 86.1765, 95.8116,
91.0440

■ 50.6404, 78.8936,
26.0593

95.0500, 100.0000,
108.9000

■ 46.4666, 76.8722,
19.9786

■ 43.1425, 75.2475,
15.8026

■ 40.5992, 73.9891,
13.3041

■ 38.7477, 73.0580,
12.1600

■ 38.5345, 72.9503,
12.0498

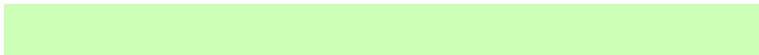
Harmonies

Analogous

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



77.8317, 87.5939, 46.8311



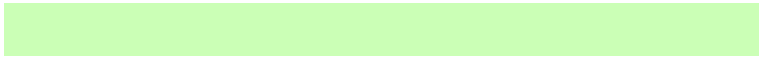
68.8321, 87.5939, 57.5354



63.9415, 87.5939, 79.8592

Triad

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



68.8321, 87.5939, 57.5354



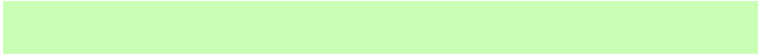
77.6451, 87.5939, 169.1952



106.1742, 87.5939, 80.3573

Complementary

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



68.8321, 87.5939, 57.5354



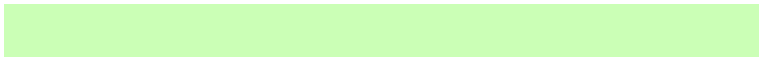
68.7106, 58.1695, 102.2141

Split Complementary

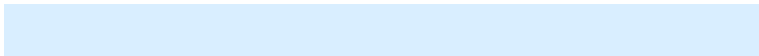
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.1126, 87.5939, 112.7803



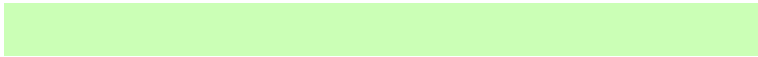
68.8321, 87.5939, 57.5354



88.9253, 87.5939, 169.4149

Square

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



68.8321, 87.5939, 57.5354



68.7062, 87.5939, 146.4248



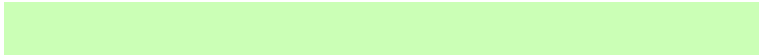
99.5646, 87.5939, 146.9706



99.7259, 87.5939, 57.8283

Rectangle

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



68.8321, 87.5939, 57.5354



63.3604, 87.5939, 100.6225



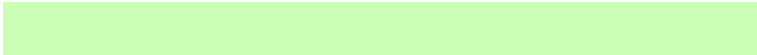
99.5646, 87.5939, 146.9706



106.9317, 87.5939, 90.3130

Sweetspot

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



68.8326, 87.5941, 57.5367



85.8118, 95.6392, 90.3186



78.8512, 82.9724, 56.1166



18.0663, 20.3285, 18.7350



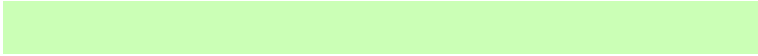
0.0000, 0.0000, 0.0000



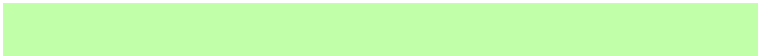
20.3446, 21.4041, 23.3091

Same Dimension

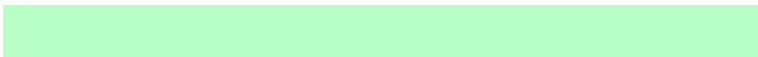
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8326, 87.5941, 57.5367



64.9095, 85.7274, 50.3184



65.0844, 85.4784, 65.6531



18.2623, 20.4211, 19.1235



20.2618, 38.1834, 6.3022



2.0752, 3.7705, 0.6184

Inverse Universe

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



68.7106, 58.1695, 102.2141



64.7604, 52.1690, 101.2641



73.7562, 61.0319, 90.6433



18.2537, 18.0225, 22.7666



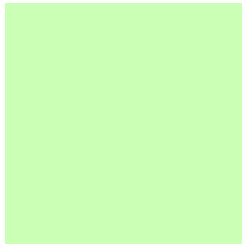
19.6230, 9.0265, 50.1426



2.0187, 0.9346, 4.8873

Previews

White Background



This preview shows how the XYZ color 68.8321, 87.5939, 57.5354 looks on a white background.

Color Contrast Check

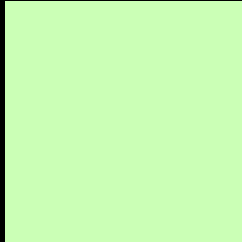
Large Text (above 18pt) WCAG AA × Fail

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 68.8321, 87.5939, 57.5354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

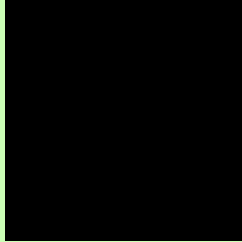
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

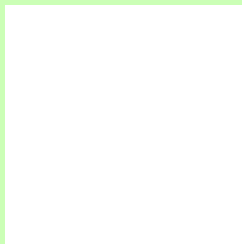
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8321, 87.5939, 57.5354

Background



This preview shows how black text looks on a background with the XYZ color 68.8321, 87.5939, 57.5354.



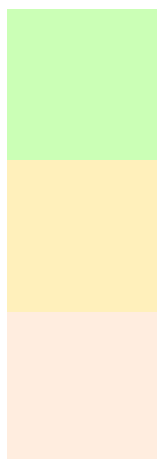
This preview shows how white text looks on a background with the XYZ color 68.8321, 87.5939,

57.5354.

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

68.8321, 87.5939, 57.5354

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

84.8435, 87.1561, 82.1631



Tritanopia

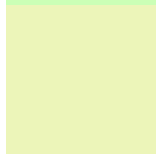
81.4646, 87.4899, 107.2013

Trichromacy



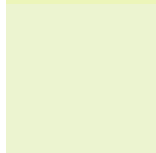
Original Color

68.8321, 87.5939, 57.5354



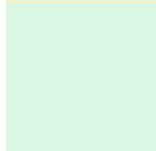
Protanomaly

76.0014, 86.6405, 58.6165



Deuteranomaly

78.3279, 87.0883, 72.3559



Tritanomaly

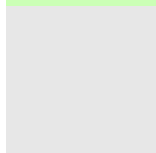
76.1778, 87.0284, 86.1819

Monochromacy



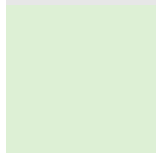
Original Color

68.8321, 87.5939, 57.5354



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9891, 82.4964, 75.0273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8321, 87.5939, 57.5354 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(203, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 182)  
}
```

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(203, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 68.8321, 87.5939, 57.5354 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(203, 255, 182) }
```


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

```
.border{ border-color:rgb(203, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 255, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 255, 182); box-shadow:4px 4px 4px 4px rgb(203, 255, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8321, 87.5939, 57.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 182) }
```

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

```
.background{ background-color: rgb(203,  
255, 182) }
```

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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