

Converting Colors

XYZ(68.0045, 87.2763, 61.8429)

Have a look what the booklet for
XYZ(68.0045, 87.2763, 61.8429)
contains.

XYZ(67.8192, 86.9735, 61.9283)	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(67.8192, 86.9735,
61.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFBE
RGB	196, 255, 190
RGB Percent	77%, 100%, 75%
CMY	0.2314, 0.0000, 0.2549
CMYK	0.23, 0.00, 0.25, 0.00
HSL	114°, 100%, 87%
HSV	114°, 25%, 100%
XYZ	67.8192, 86.9735, 61.9283
YIQ	229.9490, -14.2990, -32.7230

Conversions

Conversions Part 2

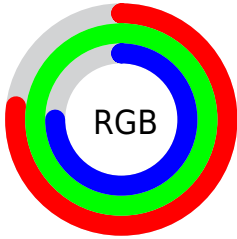
Format	Color
RYB	190, 255, 249
Decimal	12910526
CIELab	94.73, -30.48, 25.20
CIElCh	95, 39.547, 140.412
Yxy	86.9735, 0.3129, 0.4013
Android (android.graphics.Color)	4291100606 (0xFFC4FFBE)
YUV	229.9490, -19.6949, -29.7733
Hunter-Lab	93.2596, -33.3975, 25.9106

Details

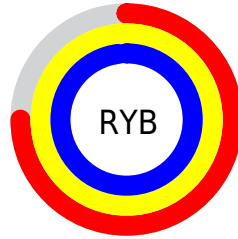
The XYZ color **67.8192, 86.9735, 61.9283** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5313, 64.1879, 103.0163**, and the grayscale version is **75.3243, 79.2470, 86.3000**.

A 20% lighter version of the original color is **93.0565, 99.1180, 102.2228**, and **35.6225, 47.8285, 30.6469** is the 20% darker color. If you saturate the color by 10%, you get **59.7077, 83.0862, 48.2506**, and if you desaturate by 10%, it is **77.3482, 91.5351, 78.2203**.

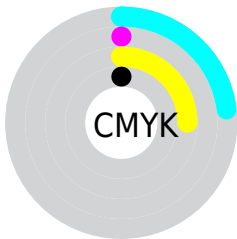
Distribution



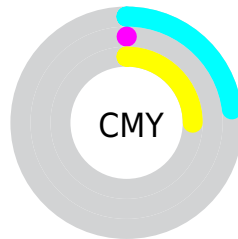
- Red (77%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8192, 86.9735, 61.9283 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 67.8192, 86.9735, 61.9283 by changing the saturation by 10% instead.


 67.8192, 86.9735,
61.9283

 67.8192, 86.9735,
61.9283


442.2419,
518.1358, 449.6699

 50.0238, 65.4733,
44.5394


 115.1368,
143.1272, 109.1925

 35.6502, 47.8449,
30.7544


145.3897,
178.5495, 139.9048

 24.3330, 33.7041,
20.1550

180.5258,
219.3812, 175.8953

 15.7069, 22.6664,
12.3226

220.9105,
266.0068, 217.5826

 9.4065, 14.3474,
6.8386

266.9091,
318.8107, 265.3852

 5.0665, 8.3627,
3.2844

318.8869,

 2.3215, 4.3279,

378.1772, 319.7215

1.2416

377.2094,
444.4908, 381.0103

■ 0.8056, 1.8586,
0.0132

■ 0.0000, 0.5233,
0.0000

■ 67.8192, 86.9735,
61.9283

■ 67.8192, 86.9735,
61.9283

■ 59.7077, 83.0862,
48.2506

■ 77.3482, 91.5351,
78.2203

■ 52.9444, 79.8405,
37.0473

■ 88.3565, 96.8003,
97.2483

■ 47.4562, 77.2020,
28.1717

95.0500, 100.0000,
108.9000

■ 43.1628, 75.1328,
21.4602

■ 39.9743, 73.5905,
16.7276

■ 37.7883, 72.5270,
13.7579

■ 36.4822, 71.8850,
12.2845

■ 36.1257, 71.7085,
11.9371

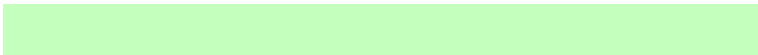
Harmonies

Analogous

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



75.7039, 86.9735, 49.5583



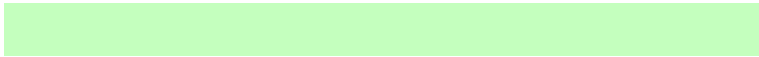
67.8192, 86.9735, 61.9283



64.0139, 86.9735, 85.2310

Triad

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



67.8192, 86.9735, 61.9283



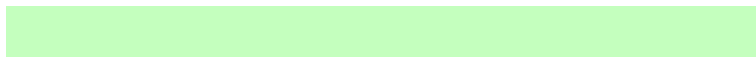
79.2899, 86.9735, 165.3890



103.4591, 86.9735, 75.6211

Complementary

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



67.8192, 86.9735, 61.9283



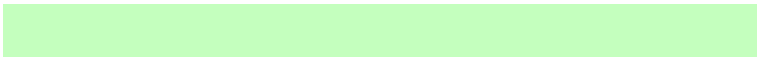
75.5313, 64.1879, 103.0163

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.



104.6285, 86.9735, 104.8442



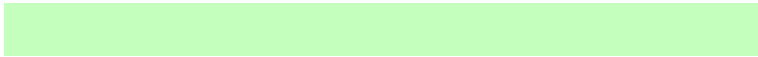
67.8192, 86.9735, 61.9283



90.0417, 86.9735, 161.2572

Square

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



67.8192, 86.9735, 61.9283



70.2497, 86.9735, 147.6787



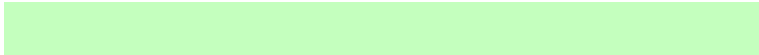
99.5347, 86.9735, 137.3724



96.4647, 86.9735, 56.2006

Rectangle

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



67.8192, 86.9735, 61.9283



64.0571, 86.9735, 105.7383



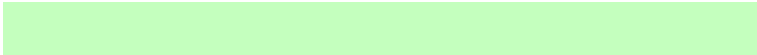
99.5347, 86.9735, 137.3724



104.5685, 86.9735, 84.4568

Sweetspot

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



67.8197, 86.9737, 61.9296



85.4502, 95.4107, 92.2070



84.2559, 92.4206, 62.1147



17.9270, 20.2483, 19.1078



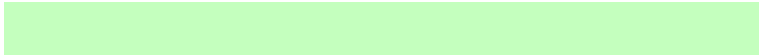
0.0000, 0.0000, 0.0000



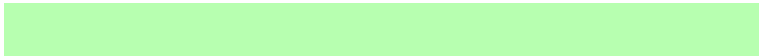
20.3446, 21.4041, 23.3091

Same Dimension

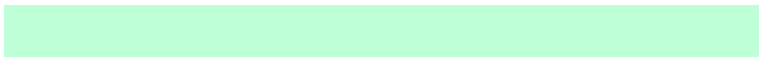
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8197, 86.9737, 61.9296



63.1784, 84.7500, 54.0769



69.3906, 87.4254, 78.1842



17.9270, 20.2483, 19.1078



18.9283, 37.4960, 6.2398



1.8930, 3.6766, 0.6099

Inverse Universe

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



75.5313, 64.1879, 103.0163



72.1722, 58.1535, 102.0286



73.7969, 63.7451, 82.5439



18.6176, 18.2101, 22.7836



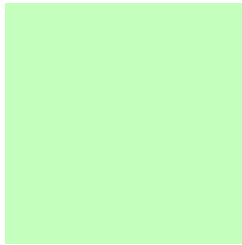
26.7979, 12.7253, 50.4784



2.6555, 1.2629, 4.9171

Previews

White Background



This preview shows how the XYZ color 67.8192, 86.9735, 61.9283 looks on a white background.

Color Contrast Check

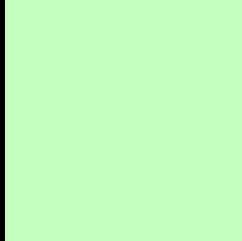
Large Text (above 18pt) WCAG AA × Fail

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 67.8192, 86.9735, 61.9283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

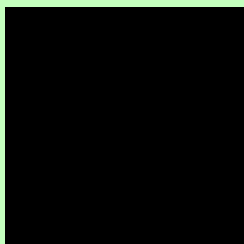
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

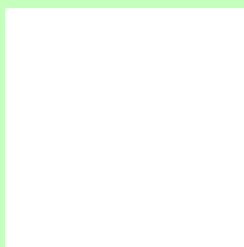
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8192, 86.9735, 61.9283

Background



This preview shows how black text looks on a background with the XYZ color 67.8192, 86.9735, 61.9283.



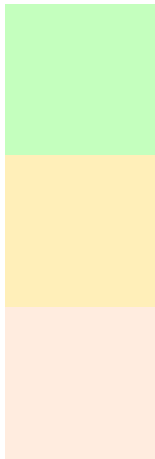
This preview shows how white text looks on a background with the XYZ color 67.8192, 86.9735,

61.9283.

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

67.8192, 86.9735, 61.9283

Protanopia

80.8635, 86.4958, 58.3323

Deuteranopia

84.5547, 86.5786, 82.0669



Tritanopia

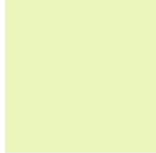
79.9194, 86.6933, 107.1290

Trichromacy



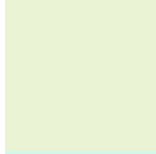
Original Color

67.8192, 86.9735, 61.9283



Protanomaly

75.5537, 86.3851, 59.7056



Deuteranomaly

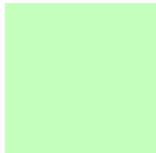
77.7401, 86.2968, 74.1876



Tritanomaly

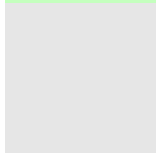
74.8359, 86.2881, 88.3123

Monochromacy



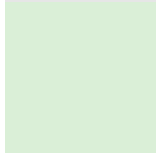
Original Color

67.8192, 86.9735, 61.9283



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0457, 81.5447, 76.2325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8192, 86.9735, 61.9283 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(196, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 190)  
}
```

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(196, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 67.8192, 86.9735, 61.9283 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(196, 255, 190) }
```


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

```
.border{ border-color:rgb(196, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8192, 86.9735, 61.9283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 190) }
```

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

```
.background{ background-color: rgb(196,  
255, 190) }
```

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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