

Converting Colors

XYZ(69.7499, 89.2410, 61.3311)

Have a look what the booklet for
XYZ(69.7499, 89.2410, 61.3311)
contains.

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Color

**XYZ(68.9245, 87.5683,
60.8466)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFBC
RGB	201, 255, 188
RGB Percent	79%, 100%, 74%
CMY	0.2118, 0.0000, 0.2627
CMYK	0.21, 0.00, 0.26, 0.00
HSL	108°, 100%, 87%
HSV	108°, 26%, 100%
XYZ	68.9245, 87.5683, 60.8466
YIQ	231.2160, -10.6770, -32.2850

Conversions

Conversions Part 2

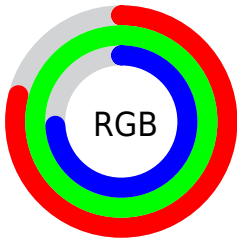
Format	Color
RYB	188, 255, 242
Decimal	13238204
CIELab	94.98, -29.15, 26.61
CIELCh	95, 39.466, 137.610
Yxy	87.5683, 0.3171, 0.4029
Android (android.graphics.Color)	4291428284 (0xFFC9FFBC)
YUV	231.2160, -21.3055, -26.4994
Hunter-Lab	93.5779, -32.2878, 26.9528

Details

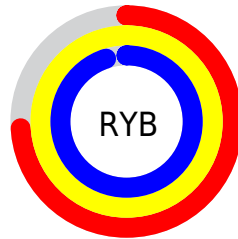
The XYZ color **68.9245, 87.5683, 60.8466** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6520, 62.0649, 102.7583**, and the grayscale version is **76.2755, 80.2477, 87.3898**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **36.3512, 48.2204, 29.9458** is the 20% darker color. If you saturate the color by 10%, you get **61.2534, 83.9038, 47.3836**, and if you desaturate by 10%, it is **77.8218, 91.8089, 76.9048**.

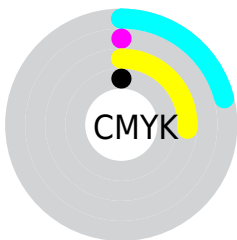
Distribution



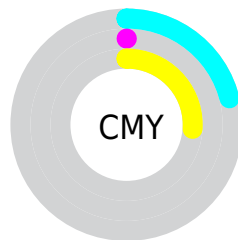
- Red (79%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (95%)



- Cyan (21%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9245, 87.5683, 60.8466 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 68.9245, 87.5683, 60.8466 by changing the saturation by 10% instead.


 68.9245, 87.5683,
60.8466

 68.9245, 87.5683,
60.8466


446.0902,
520.0885, 445.6023

 50.9266, 65.9656,
43.6716


 116.7084,
143.9560, 107.6122

 36.3710, 48.2445,
30.0771


147.2251,
179.5098, 138.0398

 24.8923, 34.0205,
19.6446


182.6456,
220.4827, 173.7221

 16.1252, 22.9094,
11.9555

223.3350,
267.2592, 215.0776

 9.7042, 14.5266,
6.5912

269.6588,
320.2236, 262.5249

 5.2640, 8.4878,
3.1332

321.9824,

 2.4393, 4.4087,

379.7604, 316.4824

1.1631

380.6711,
446.2539, 377.3687

■ 0.8648, 1.9047,
0.0000

■ 0.0000, 0.5512,
0.0000

■ 68.9245, 87.5683,
60.8466

■ 68.9245, 87.5683,
60.8466

■ 61.2534, 83.9038,
47.3836

■ 77.8218, 91.8089,
76.9048

■ 54.7520, 80.7891,
36.3759

■ 87.9947, 96.6482,
95.6803

■ 49.3619, 78.1974,
27.6763

95.0500, 100.0000,
108.9000

■ 45.0189, 76.0991,
21.1204

■ 41.6518, 74.4616,
16.5222

■ 39.1796, 73.2478,
13.6636

■ 37.5070, 72.4146,
12.2735

■ 37.0497, 72.1848,
11.9804

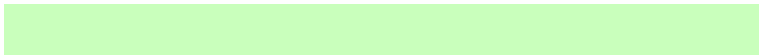
Harmonies

Analogous

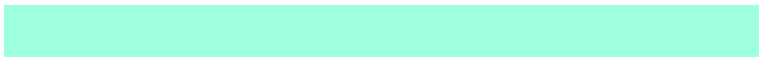
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1530, 87.5683, 49.4444



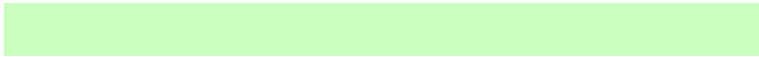
68.9245, 87.5683, 60.8466



64.6883, 87.5683, 83.2400

Triad

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



68.9245, 87.5683, 60.8466



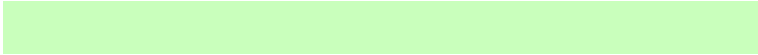
78.8887, 87.5683, 165.3586



104.4505, 87.5683, 78.5887

Complementary

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



68.9245, 87.5683, 60.8466



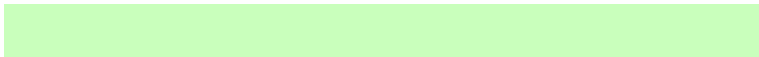
72.6520, 62.0649, 102.7583

Split Complementary

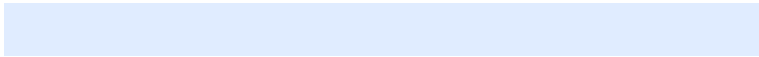
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0165, 87.5683, 108.5745



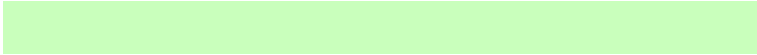
68.9245, 87.5683, 60.8466



89.6202, 87.5683, 163.3594

Square

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



68.9245, 87.5683, 60.8466



70.1010, 87.5683, 145.8960



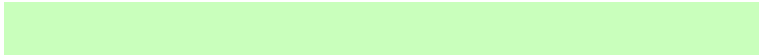
99.3918, 87.5683, 140.9090



97.9061, 87.5683, 58.0737

Rectangle

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



68.9245, 87.5683, 60.8466



64.4364, 87.5683, 103.3752



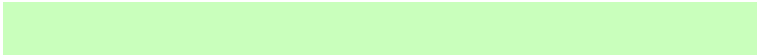
99.3918, 87.5683, 140.9090



105.3652, 87.5683, 87.7455

Sweetspot

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



68.9251, 87.5686, 60.8479



86.1452, 95.7689, 92.2395



81.9507, 88.1576, 60.2751



18.1005, 20.3377, 19.1159



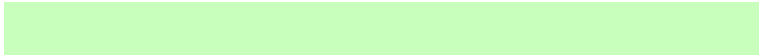
0.0000, 0.0000, 0.0000



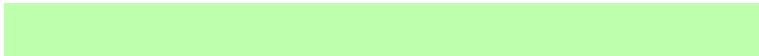
20.3446, 21.4041, 23.3091

Same Dimension

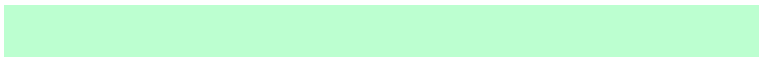
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9251, 87.5686, 60.8479



64.3855, 85.4012, 52.8290



67.8973, 86.7707, 72.9099



18.1005, 20.3377, 19.1159



19.4521, 37.7660, 6.2643



1.9762, 3.7195, 0.6138

Inverse Universe

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



72.6520, 62.0649, 102.7583



68.7237, 55.6407, 101.7253



74.2048, 63.2198, 86.8137



18.4270, 18.1119, 22.7747



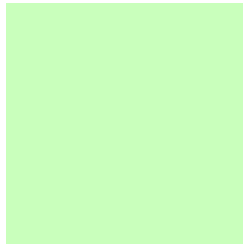
22.7853, 10.6567, 50.2906



2.3028, 1.0811, 4.9006

Previews

White Background



This preview shows how the XYZ color 68.9245, 87.5683, 60.8466 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 68.9245, 87.5683, 60.8466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

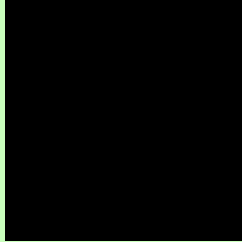
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

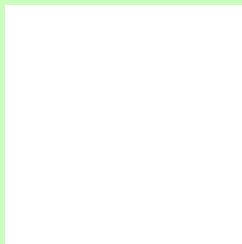
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9245, 87.5683, 60.8466

Background



This preview shows how black text looks on a background with the XYZ color 68.9245, 87.5683, 60.8466.



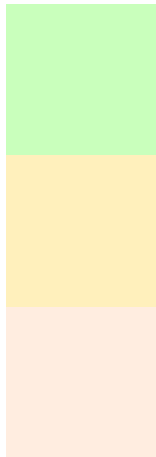
This preview shows how white text looks on a background with the XYZ color 68.9245, 87.5683,

60.8466.

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

68.9245, 87.5683, 60.8466

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

84.9787, 87.2102, 82.8754



Tritanopia

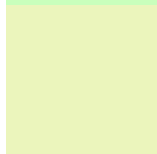
81.1519, 87.3287, 107.1867

Trichromacy



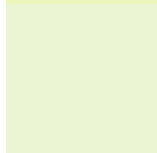
Original Color

68.9245, 87.5683, 60.8466



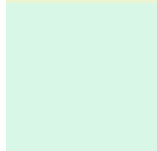
Protanomaly

75.9905, 86.5978, 60.2869



Deuteranomaly

78.3695, 87.0667, 74.3031



Tritanomaly

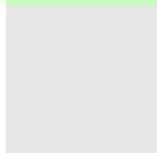
76.0035, 86.8900, 88.3669

Monochromacy



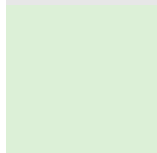
Original Color

68.9245, 87.5683, 60.8466



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9410, 82.4421, 76.3585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9245, 87.5683, 60.8466 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(201, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 188)  
}
```

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(201, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 68.9245, 87.5683, 60.8466 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(201, 255, 188) }
```


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

```
.border{ border-color:rgb(201, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9245, 87.5683, 60.8466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 188) }
```

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

```
.background{ background-color: rgb(201,  
255, 188) }
```

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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