

Converting Colors

XYZ(69.8530, 88.1615, 55.7184)

Have a look what the booklet for
XYZ(69.8530, 88.1615, 55.7184)
contains.

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Color

**XYZ(69.9091, 88.1846,
55.9845)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FFB3
RGB	208, 255, 179
RGB Percent	82%, 100%, 70%
CMY	0.1843, 0.0000, 0.2980
CMYK	0.18, 0.00, 0.30, 0.00
HSL	97°, 100%, 85%
HSV	97°, 30%, 100%
XYZ	69.9091, 88.1846, 55.9845
YIQ	232.2830, -3.6160, -33.6000

Conversions

Conversions Part 2

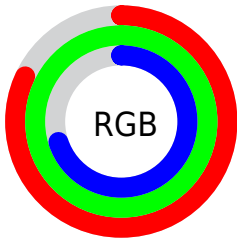
Format	Color
RYB	179, 255, 226
Decimal	13696947
CIELab	95.24, -28.14, 31.56
CIELCh	95, 42.286, 131.716
Yxy	88.1846, 0.3266, 0.4119
Android (android.graphics.Color)	4291887027 (0xFFD0FFB3)
YUV	232.2830, -26.2685, -21.2962
Hunter-Lab	93.9067, -31.4518, 30.3876

Details

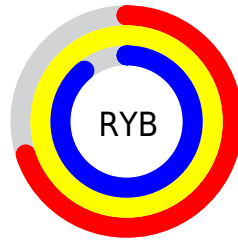
The XYZ color **69.9091, 88.1846, 55.9845** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.5351, 55.6302, 101.8914**, and the grayscale version is **77.1058, 81.1213, 88.3411**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **37.0968, 48.6668, 27.1771** is the 20% darker color. If you saturate the color by 10%, you get **63.3481, 85.0732, 43.4370**, and if you desaturate by 10%, it is **77.3889, 91.7145, 71.0670**.

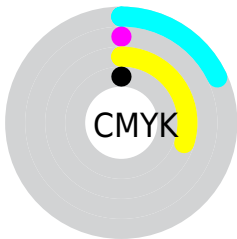
Distribution



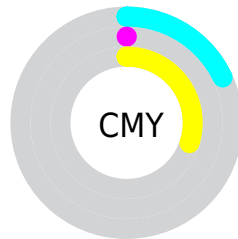
- Red (82%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9091, 88.1846, 55.9845 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 69.9091, 88.1846, 55.9845 by changing the saturation by 10% instead.


 69.9091, 88.1846,
55.9845

 69.9091, 88.1846,
55.9845


449.5022,
522.1076, 427.0198

 51.7318, 66.4760,
39.7866


 118.1061,
144.8141, 100.4675

 37.0147, 48.6589,
27.0597


148.8565,
180.5038, 129.5896

 25.3926, 34.3490,
17.3852


184.5285,
221.6226, 163.8569

 16.5001, 23.1618,
10.3447

225.4877,
268.5550, 203.6879

 9.9718, 14.7130,
5.5195

272.0993,
321.6853, 249.5012

 5.4424, 8.6182,
2.4912

324.7286,

 2.5465, 4.4930,

381.3978, 301.7152

0.8355

383.7412,
448.0772, 360.7486

■ 0.9188, 1.9530,
0.0000

■ 0.0000, 0.5799,
0.0000

■ 69.9091, 88.1846,
55.9845

■ 69.9091, 88.1846,
55.9845

■ 63.3481, 85.0732,
43.4370

■ 77.3889, 91.7145,
71.0670

■ 57.6653, 82.3625,
33.2812

■ 85.8227, 95.6783,
88.8091

■ 52.8190, 80.0343,
25.3657

95.0500, 100.0000,
108.9000

■ 48.7627, 78.0684,
19.5203

■ 45.4449, 76.4424,
15.5500

■ 42.8056, 75.1306,
13.2230

■ 40.7579, 74.0962,
12.1683

■ 40.7218, 74.0779,
12.1522

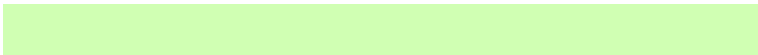
Harmonies

Analogous

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



79.3939, 88.1846, 46.2899



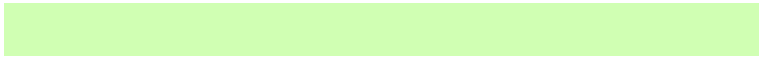
69.9091, 88.1846, 55.9845



64.4744, 88.1846, 77.4393

Triad

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



69.9091, 88.1846, 55.9845



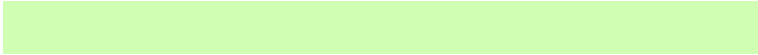
77.0502, 88.1846, 169.8280



107.4600, 88.1846, 83.6904

Complementary

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



69.9091, 88.1846, 55.9845



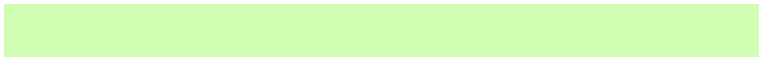
65.5351, 55.6302, 101.8914

Split Complementary

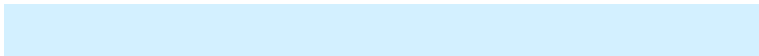
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6858, 88.1846, 117.3533



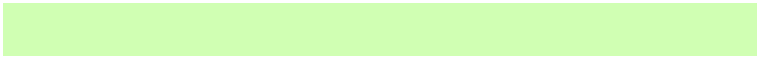
69.9091, 88.1846, 55.9845



88.4010, 88.1846, 172.5974

Square

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



69.9091, 88.1846, 55.9845



68.3292, 88.1846, 144.7843



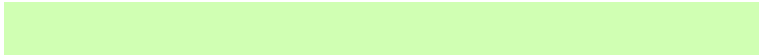
99.4566, 88.1846, 151.6563



101.4839, 88.1846, 59.6530

Rectangle

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



69.9091, 88.1846, 55.9845



63.5472, 88.1846, 97.9323



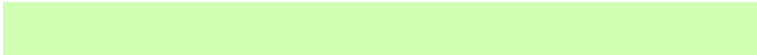
99.4566, 88.1846, 151.6563



107.9944, 88.1846, 94.1289

Sweetspot

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



69.9095, 88.1848, 55.9858



86.5424, 96.0159, 90.3528



76.5373, 78.8355, 53.8319



18.2455, 20.4209, 18.7433



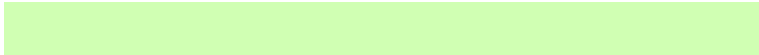
0.0000, 0.0000, 0.0000



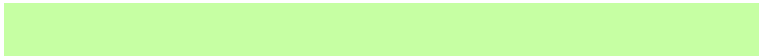
20.3446, 21.4041, 23.3091

Same Dimension

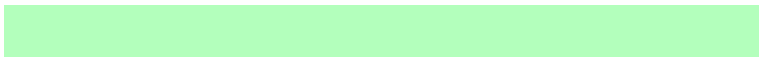
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9095, 88.1848, 55.9858



65.7377, 86.2083, 47.9195



63.4139, 84.7292, 60.5149



18.4267, 20.5059, 19.1312



21.4311, 38.7862, 6.3570



2.2038, 3.8369, 0.6244

Inverse Universe

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



65.5351, 55.6302, 101.8914



60.6894, 48.6967, 100.8085



74.0156, 60.1632, 95.0079



18.0820, 17.9340, 22.7585



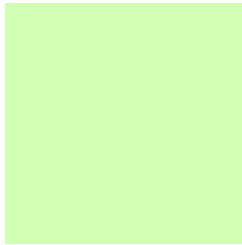
16.9401, 7.6434, 50.0171



1.7712, 0.8070, 4.8757

Previews

White Background



This preview shows how the XYZ color 69.9091, 88.1846, 55.9845 looks on a white background.

Color Contrast Check

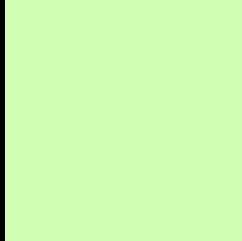
Large Text (above 18pt) WCAG AA × Fail

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 69.9091, 88.1846, 55.9845 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 69.9091, 88.1846, 55.9845

Background



This preview shows how black text looks on a background with the XYZ color 69.9091, 88.1846, 55.9845.

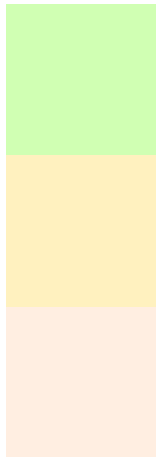


This preview shows how white text looks on a background with the XYZ color 69.9091, 88.1846,

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

69.9091, 88.1846, 55.9845

Protanopia

82.0993, 87.9322, 61.9357

Deuteranopia

85.4051, 87.8453, 83.6887



Tritanopia

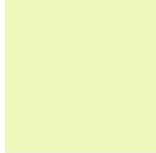
82.4137, 87.9792, 107.2458

Trichromacy



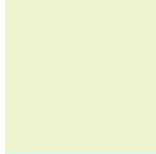
Original Color

69.9091, 88.1846, 55.9845



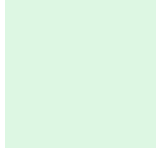
Protanomaly

77.1853, 87.6765, 59.8689



Deuteranomaly

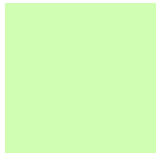
78.9957, 87.4326, 72.3872



Tritanomaly

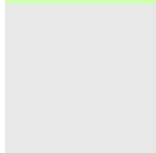
76.9447, 87.4397, 85.4952

Monochromacy



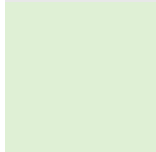
Original Color

69.9091, 88.1846, 55.9845



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6018, 82.8122, 75.0559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9091, 88.1846, 55.9845 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(208, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 179)  
}
```

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(208, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 69.9091, 88.1846, 55.9845 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(208, 255, 179) }
```


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

```
.border{ border-color:rgb(208, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9091, 88.1846, 55.9845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 179) }
```

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

```
.background{ background-color: rgb(208,  
255, 179) }
```

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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