

Converting Colors

XYZ(69.5797, 92.8515, 55.2163)

Have a look what the booklet for
XYZ(69.5797, 92.8515, 55.2163)
contains.

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Color

**XYZ(66.3614, 86.3904,
54.2517)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFB0
RGB	196, 255, 176
RGB Percent	77%, 100%, 69%
CMY	0.2314, 0.0000, 0.3098
CMYK	0.23, 0.00, 0.31, 0.00
HSL	105°, 100%, 85%
HSV	105°, 31%, 100%
XYZ	66.3614, 86.3904, 54.2517
YIQ	228.3530, -9.8050, -37.0770

Conversions

Conversions Part 2

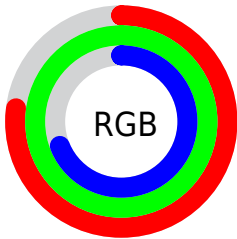
Format	Color
RYB	176, 255, 235
Decimal	12910512
CIELab	94.48, -32.63, 31.93
CIELCh	94, 45.652, 135.627
Yxy	86.3904, 0.3206, 0.4173
Android (android.graphics.Color)	4291100592 (0xFFC4FFB0)
YUV	228.3530, -25.8100, -28.3736
Hunter-Lab	92.9464, -35.2118, 30.4557

Details

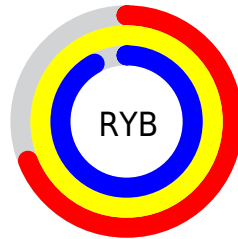
The XYZ color **66.3614, 86.3904, 54.2517** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **67.8374, 55.9341, 101.8287**, and the grayscale version is **74.1891, 78.0527, 84.9994**.

A 20% lighter version of the original color is **91.1985, 98.4170, 90.5336**, and **34.7537, 47.4809, 26.0719** is the 20% darker color. If you saturate the color by 10%, you get **59.4270, 83.0802, 41.9707**, and if you desaturate by 10%, it is **74.3995, 90.2147, 69.0607**.

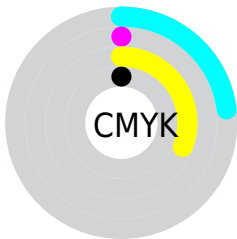
Distribution



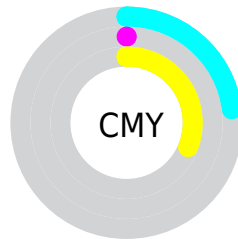
- Red (77%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3614, 86.3904, 54.2517 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 66.3614, 86.3904, 54.2517 by changing the saturation by 10% instead.


 66.3614, 86.3904,
54.2517

 66.3614, 86.3904,
54.2517


437.1366,
516.2176, 420.2708

 48.8346, 64.9909,
38.4084


 113.0597,
142.3142, 97.9038

 34.7023, 47.4537,
25.9955


142.9620,
177.6072, 126.5497

 23.5991, 33.3944,
16.5945


177.7202,
218.3001, 160.3002

 15.1596, 22.4288,
9.7869

217.6996,
264.7774, 199.5739

 9.0185, 14.1723,
5.1542

263.2655,
317.4233, 244.7892

 4.8105, 8.2406,
2.2777

314.7835,

 2.1701, 4.2493,

376.6225, 296.3648

0.7187

372.6187,
442.7591, 354.7192

0.7269, 1.8140,
0.0000

0.0000, 0.4959,
0.0000

66.3614, 86.3904,
54.2517

66.3614, 86.3904,
54.2517

59.4270, 83.0802,
41.9707

74.3995, 90.2147,
69.0607

53.5449, 80.2608,
32.0727

83.5867, 94.5739,
86.5239

48.6614, 77.9080,
24.4037

93.9675, 99.4881,
106.7640

44.7171, 75.9948,
18.7906

95.0500, 100.0000,
108.9000

■ 41.6458, 74.4914,
15.0343

■ 39.3711, 73.3637,
12.8963

■ 37.9105, 72.6286,
12.0206

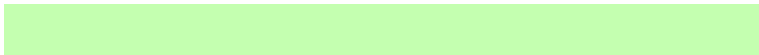
Harmonies

Analogous

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



75.9129, 86.3904, 42.8084



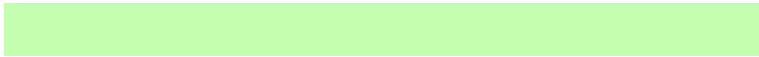
66.3614, 86.3904, 54.2517



61.2939, 86.3904, 78.2550

Triad

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



66.3614, 86.3904, 54.2517



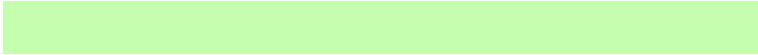
76.3879, 86.3904, 175.9681



107.0182, 86.3904, 76.9966

Complementary

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



66.3614, 86.3904, 54.2517



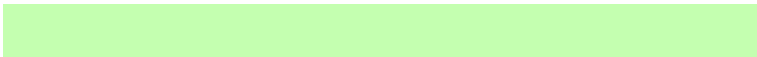
67.8374, 55.9341, 101.8287

Split Complementary

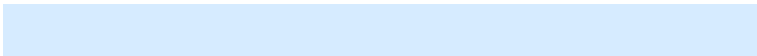
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.1780, 86.3904, 111.8714



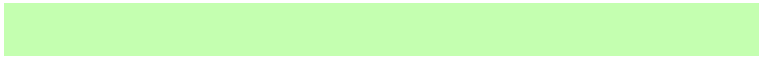
66.3614, 86.3904, 54.2517



88.6387, 86.3904, 175.3869

Square

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



66.3614, 86.3904, 54.2517



66.6791, 86.3904, 151.1638



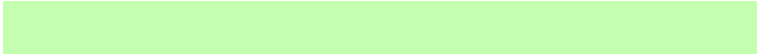
100.1751, 86.3904, 149.7317



99.7582, 86.3904, 53.5294

Rectangle

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



66.3614, 86.3904, 54.2517



60.7808, 86.3904, 100.8534



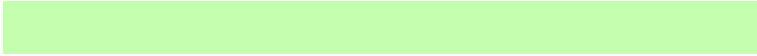
100.1751, 86.3904, 149.7317



107.9265, 86.3904, 87.5873

Sweetspot

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



66.3618, 86.3905, 54.2530



85.5454, 95.5019, 90.3062



78.4808, 83.2028, 52.9990



18.0011, 20.2949, 18.7319



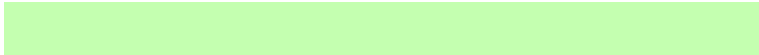
0.0000, 0.0000, 0.0000



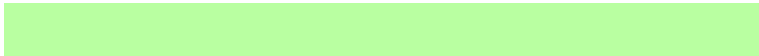
20.3446, 21.4041, 23.3091

Same Dimension

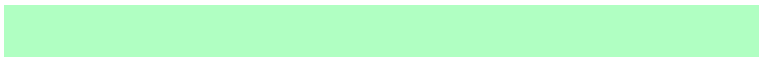
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3618, 86.3905, 54.2530



62.0577, 84.3374, 46.5646



63.4516, 84.6650, 64.2933



18.2024, 20.3903, 19.1207



19.9239, 38.0093, 6.2864



2.0354, 3.7500, 0.6166

Inverse Universe

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



67.8374, 55.9341, 101.8287



63.7261, 49.5957, 100.8219



71.9887, 58.4008, 87.2679



18.3173, 18.0553, 22.7695



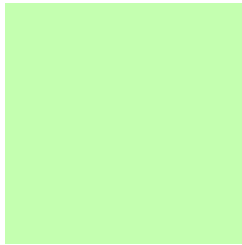
20.7307, 9.5976, 50.1945



2.1190, 0.9863, 4.8920

Previews

White Background



This preview shows how the XYZ color 66.3614, 86.3904, 54.2517 looks on a white background.

Color Contrast Check

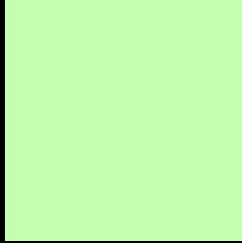
Large Text (above 18pt) WCAG AA × Fail

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 66.3614, 86.3904, 54.2517 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 66.3614, 86.3904, 54.2517

Background



This preview shows how black text looks on a background with the XYZ color 66.3614, 86.3904, 54.2517.



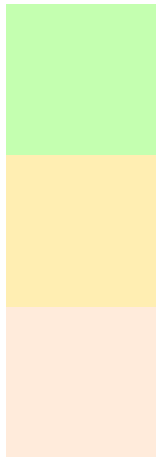
This preview shows how white text looks on a background with the XYZ color 66.3614, 86.3904,

54.2517.

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

66.3614, 86.3904, 54.2517

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

83.7345, 85.7911, 79.1639



Tritanopia

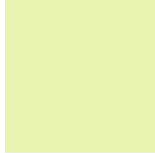
79.6209, 86.0964, 107.0295

Trichromacy



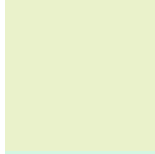
Original Color

66.3614, 86.3904, 54.2517



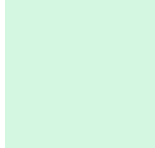
Protanomaly

74.2182, 85.3681, 54.1610



Deuteranomaly

76.4633, 85.3085, 68.9361



Tritanomaly

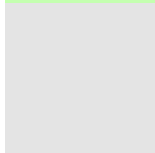
74.1396, 86.0096, 84.6454

Monochromacy



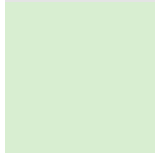
Original Color

66.3614, 86.3904, 54.2517



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.4021, 80.3515, 72.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3614, 86.3904, 54.2517 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 66.3614, 86.3904, 54.2517 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, 176) }
```


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

```
.border{ border-color:rgb(196, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3614, 86.3904, 54.2517 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, 176) }
```

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

```
.background{ background-color: rgb(196,  
255, 176) }
```

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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