

Converting Colors

XYZ(116.3161, 189.7382,
63.2862)

Have a look what the booklet for
XYZ(116.3161, 189.7382, 63.2862)
contains.

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Color

**XYZ(64.2661, 85.4925,
45.9154)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FF9F
RGB	194, 255, 159
RGB Percent	76%, 100%, 62%
CMY	0.2392, 0.0000, 0.3765
CMYK	0.24, 0.00, 0.38, 0.00
HSL	98°, 100%, 81%
HSV	98°, 38%, 100%
XYZ	64.2661, 85.4925, 45.9154
YIQ	225.8170, -5.5400, -42.7880

Conversions

Conversions Part 2

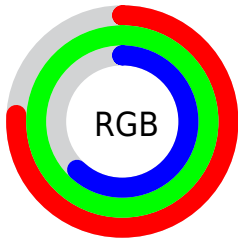
Format	Color
RYB	159, 255, 220
Decimal	12779423
CIELab	94.09, -35.70, 39.84
CIElCh	94, 53.492, 131.859
Yxy	85.4925, 0.3284, 0.4369
Android (android.graphics.Color)	4290969503 (0xFFC2FF9F)
YUV	225.8170, -32.9408, -27.9035
Hunter-Lab	92.4622, -37.7418, 35.2809

Details

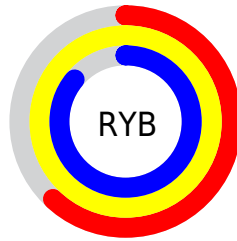
The XYZ color **64.2661, 85.4925, 45.9154** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.9645, 47.2332, 100.5642**, and the grayscale version is **72.3894, 76.1593, 82.9375**.

A 20% lighter version of the original color is **88.1706, 97.1217, 78.3893**, and **33.2768, 46.8320, 20.9213** is the 20% darker color. If you saturate the color by 10%, you get **58.3420, 82.6684, 35.2545**, and if you desaturate by 10%, it is **71.1010, 88.7334, 59.0040**.

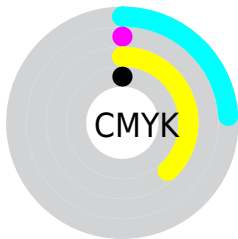
Distribution



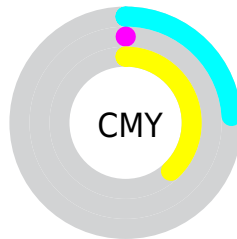
- Red (76%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2661, 85.4925, 45.9154 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 64.2661, 85.4925, 45.9154 by changing the saturation by 10% instead.

64.2661, 85.4925,
45.9154

64.2661, 85.4925,
45.9154

429.7370,
513.2563, 386.7361

47.1287, 64.2484,
31.8309

110.0657,
141.0611, 85.4253

33.3458, 46.8519,
20.9686

139.4586,
176.1543, 111.6878

22.5520, 32.9186,
12.9100

173.6673,
216.6328, 142.8467

14.3819, 22.0641,
7.2366

213.0574,
262.8808, 179.3205

8.4702, 13.9040,
3.5298

257.9940,
315.2827, 221.5279

4.4516, 8.0539,
1.3711

308.8425,

1.9607, 4.1295,

374.2230, 269.8872

0.1190

365.9684,
440.0861, 324.8171

0.6117, 1.7462,
0.0000

0.0000, 0.4533,
0.0000

64.2661, 85.4925,
45.9154

64.2661, 85.4925,
45.9154

58.3420, 82.6684,
35.2545

71.1010, 88.7334,
59.0040

53.2848, 80.2416,
26.8679

78.8851, 92.4080,
74.6534

49.0481, 78.1921,
20.5908

87.6561, 96.5328,
92.9913

45.5802, 76.4972,
16.2344

95.0500, 100.0000,
108.9000

■ 42.8219, 75.1312,
13.5762

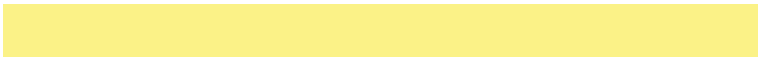
■ 40.6992, 74.0625,
12.3228

■ 40.2707, 73.8453,
12.1311

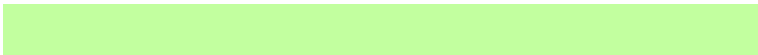
Harmonies

Analogous

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



75.7408, 85.4925, 35.3574



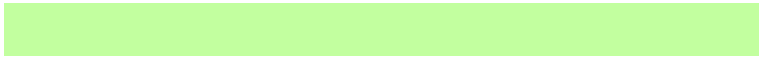
64.2661, 85.4925, 45.9154



57.8424, 85.4925, 70.6712

Triad

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



64.2661, 85.4925, 45.9154



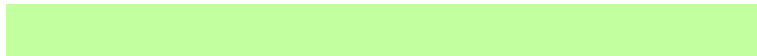
72.9992, 85.4925, 189.6875



111.2261, 85.4925, 77.8325

Complementary

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



64.2661, 85.4925, 45.9154



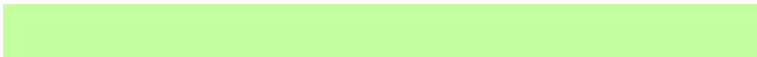
59.9645, 47.2332, 100.5642

Split Complementary

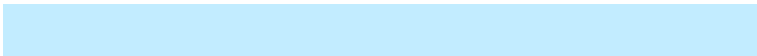
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.2681, 85.4925, 119.8022



64.2661, 85.4925, 45.9154



87.0370, 85.4925, 193.2976

Square

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



64.2661, 85.4925, 45.9154



62.4623, 85.4925, 156.0960



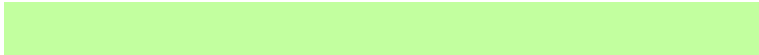
101.0086, 85.4925, 164.8621



103.4902, 85.4925, 49.8284

Rectangle

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



64.2661, 85.4925, 45.9154



56.7717, 85.4925, 95.6634



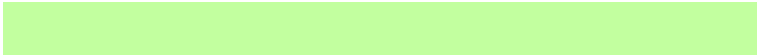
101.0086, 85.4925, 164.8621



111.9328, 85.4925, 90.5569

Sweetspot

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



64.2665, 85.4927, 45.9167



84.6021, 95.0982, 86.5336



73.0392, 74.8453, 43.3991



17.8510, 20.2339, 17.9820



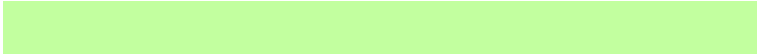
0.0000, 0.0000, 0.0000



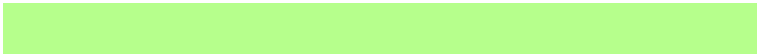
20.3446, 21.4041, 23.3091

Same Dimension

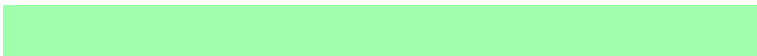
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2665, 85.4927, 45.9167



59.8234, 83.3762, 37.8479



57.4860, 81.8622, 51.7014



18.3968, 20.4905, 19.1298



21.1913, 38.6626, 6.3457



2.1782, 3.8237, 0.6232

Inverse Universe

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



59.9645, 47.2332, 100.5642



54.9533, 40.2202, 99.4747



69.6957, 52.4801, 90.6186



18.1129, 17.9499, 22.7600



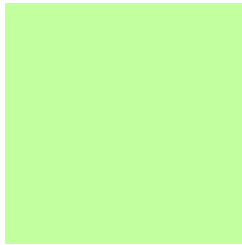
17.3906, 7.8757, 50.0382



1.8133, 0.8287, 4.8777

Previews

White Background



This preview shows how the XYZ color 64.2661, 85.4925, 45.9154 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 64.2661, 85.4925, 45.9154 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

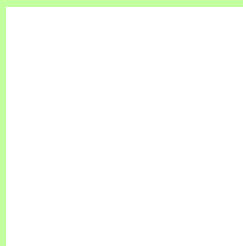
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2661, 85.4925, 45.9154

Background



This preview shows how black text looks on a background with the XYZ color 64.2661, 85.4925, 45.9154.



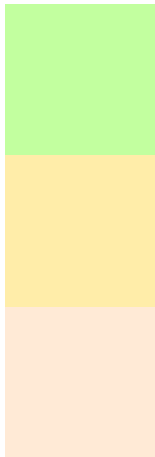
This preview shows how white text looks on a background with the XYZ color 64.2661, 85.4925,

45.9154.

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

64.2661, 85.4925, 45.9154

Protanopia

78.6856, 84.6929, 49.7363

Deuteranopia

82.8004, 84.9607, 75.6533



Tritanopia

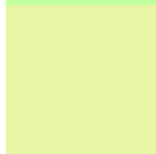
78.4187, 85.0360, 106.8882

Trichromacy



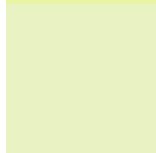
Original Color

64.2661, 85.4925, 45.9154



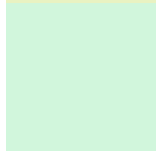
Protanomaly

72.7465, 84.7416, 48.1199



Deuteranomaly

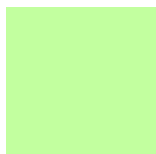
75.0940, 84.7229, 63.4342



Tritanomaly

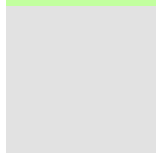
72.1685, 84.6342, 80.2425

Monochromacy



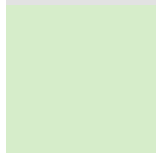
Original Color

64.2661, 85.4925, 45.9154



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.6764, 79.1288, 67.5309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2661, 85.4925, 45.9154 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(194, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 159)  
}
```

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(194, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 64.2661, 85.4925, 45.9154 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(194, 255, 159) }
```


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

```
.border{ border-color:rgb(194, 255, 159) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2661, 85.4925, 45.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 159) }
```

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

```
.background{ background-color: rgb(194,  
255, 159) }
```

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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