

Converting Colors

XYZ(67.3499, 87.0999, 45.2614)

Have a look what the booklet for
XYZ(67.3499, 87.0999, 45.2614)
contains.

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Color

**XYZ(67.2994, 87.0761,
45.1586)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFF9D
RGB	206, 255, 157
RGB Percent	81%, 100%, 62%
CMY	0.1922, 0.0000, 0.3843
CMYK	0.19, 0.00, 0.38, 0.00
HSL	90°, 100%, 81%
HSV	90°, 38%, 100%
XYZ	67.2994, 87.0761, 45.1586
YIQ	229.1770, 2.2540, -40.8660

Conversions

Conversions Part 2

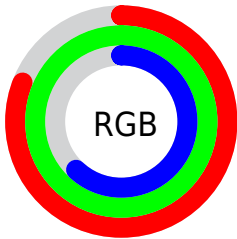
Format	Color
RYB	157, 255, 206
Decimal	13565853
CIELab	94.77, -31.81, 41.83
CIELCh	95, 52.553, 127.248
Yxy	87.0761, 0.3373, 0.4364
Android (android.graphics.Color)	4291755933 (0xFFCEFF9D)
YUV	229.1770, -35.5833, -20.3262
Hunter-Lab	93.3146, -34.5645, 36.6274

Details

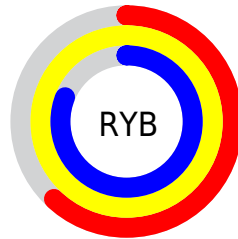
The XYZ color **67.2994, 87.0761, 45.1586** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.5617, 44.4570, 100.2604**, and the grayscale version is **74.8586, 78.7571, 85.7665**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **35.2705, 47.8717, 20.4779** is the 20% darker color. If you saturate the color by 10%, you get **61.9471, 84.5427, 34.7053**, and if you desaturate by 10%, it is **73.3940, 89.9397, 58.0207**.

Distribution



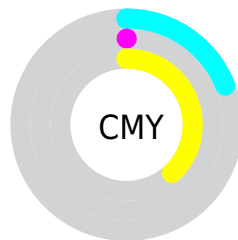
- Red (81%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (81%)



- Cyan (19%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2994, 87.0761, 45.1586 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 67.2994, 87.0761, 45.1586 by changing the saturation by 10% instead.


 67.2994, 87.0761,
45.1586


 67.2994, 87.0761,
45.1586

440.4255,
518.4729, 383.5944

 49.5996, 65.5582,
31.2385


 114.3967,
143.2702, 84.2793

 35.3118, 47.9138,
20.5205


 144.5250,
178.7152, 110.3170

 24.0708, 33.7587,
12.5862

179.5267,
219.5713, 141.2311

 15.5112, 22.7083,
7.0169

219.7673,
266.2230, 177.4399

 9.2676, 14.3782,
3.3940

265.6121,
319.0546, 219.3621

 4.9746, 8.3842,
1.2992

317.4265,

 2.2670, 4.3418,

378.4505, 267.4162

0.0611

375.5759,
444.7951, 322.0208

■ 0.7777, 1.8665,
0.0000

■ 0.0000, 0.5281,
0.0000

■ 67.2994, 87.0761,
45.1586

■ 67.2994, 87.0761,
45.1586

■ 61.9471, 84.5427,
34.7053

■ 73.3940, 89.9397,
58.0207

■ 57.3007, 82.3241,
26.5065

■ 80.2624, 93.1466,
73.4251

■ 53.3218, 80.4040,
20.3964

■ 87.9354, 96.7100,
91.5001

■ 49.9671, 78.7644,
16.1843

95.0500, 100.0000,
108.9000

■ 47.1862, 77.3841,
13.6449

■ 44.9112, 76.2351,
12.4627

■ 44.5867, 76.0703,
12.3331

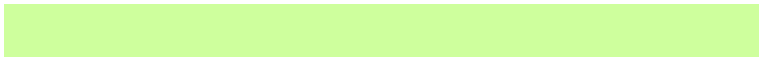
Harmonies

Analogous

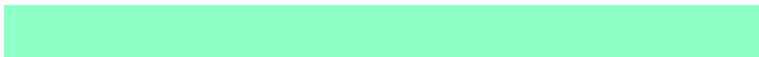
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3629, 87.0761, 36.4343



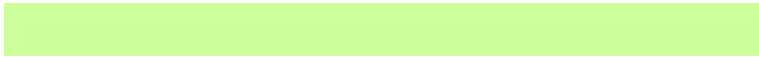
67.2994, 87.0761, 45.1586



60.0324, 87.0761, 67.6486

Triad

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



67.2994, 87.0761, 45.1586



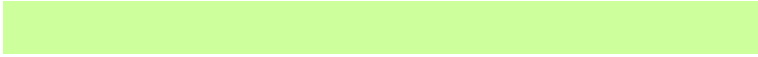
72.6375, 87.0761, 186.8542



112.9417, 87.0761, 85.2751

Complementary

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



67.2994, 87.0761, 45.1586



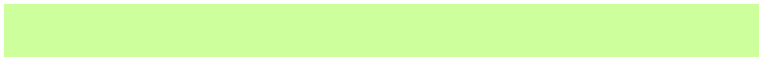
55.5617, 44.4570, 100.2604

Split Complementary

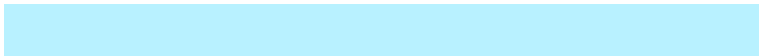
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.6104, 87.0761, 128.4161



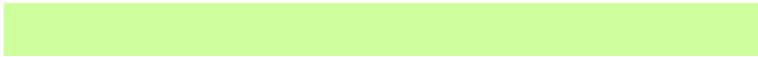
67.2994, 87.0761, 45.1586



86.2593, 87.0761, 195.5766

Square

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



67.2994, 87.0761, 45.1586



62.8592, 87.0761, 150.5125



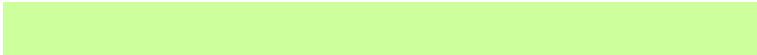
100.4311, 87.0761, 171.7576



106.4794, 87.0761, 54.8900

Rectangle

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



67.2994, 87.0761, 45.1586



58.3569, 87.0761, 91.1028



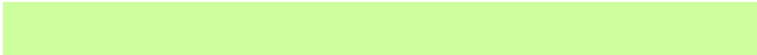
100.4311, 87.0761, 171.7576



113.1718, 87.0761, 98.6186

Sweetspot

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



67.2998, 87.0763, 45.1599



85.1022, 95.3963, 84.7337



69.3977, 67.8377, 41.3359



17.9991, 20.3183, 17.6253



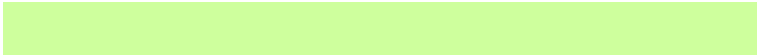
0.0000, 0.0000, 0.0000



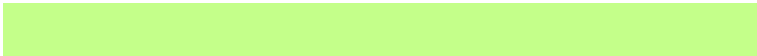
20.3446, 21.4041, 23.3091

Same Dimension

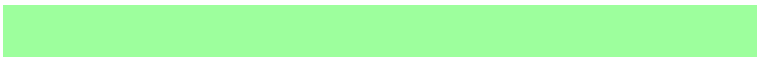
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2998, 87.0763, 45.1599



63.1816, 85.1289, 37.0325



55.7512, 81.1228, 44.6194



18.6369, 20.6143, 19.1410



23.4697, 39.8371, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



55.5617, 44.4570, 100.2604



49.9519, 37.0939, 99.1348



71.3474, 52.5949, 100.9991



17.8684, 17.8239, 22.7485



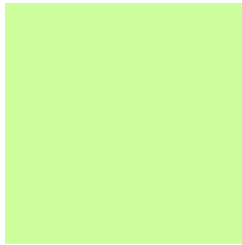
14.2162, 6.2392, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 67.2994, 87.0761, 45.1586 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 67.2994, 87.0761, 45.1586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

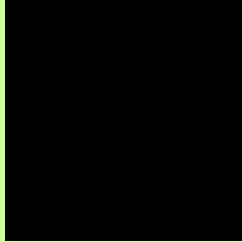
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

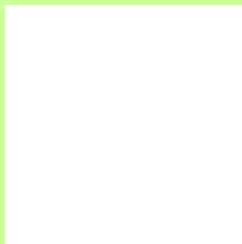
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2994, 87.0761, 45.1586

Background



This preview shows how black text looks on a background with the XYZ color 67.2994, 87.0761, 45.1586.



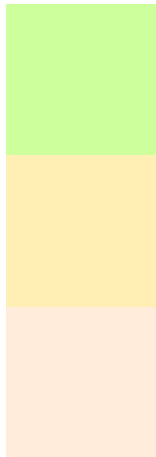
This preview shows how white text looks on a background with the XYZ color 67.2994, 87.0761,

45.1586.

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

67.2994, 87.0761, 45.1586

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

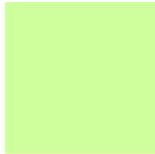
84.0216, 86.3654, 79.2596



Tritanopia

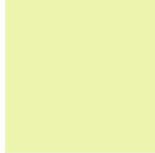
81.1839, 86.4615, 107.0176

Trichromacy



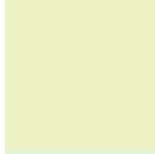
Original Color

67.2994, 87.0761, 45.1586



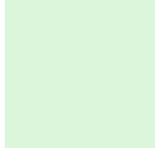
Protanomaly

75.0239, 86.2879, 51.7308



Deuteranomaly

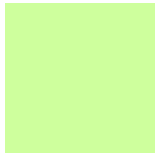
76.9394, 86.0912, 64.7867



Tritanomaly

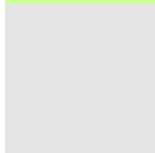
74.9554, 86.0861, 79.6835

Monochromacy



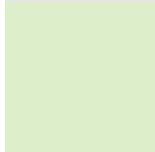
Original Color

67.2994, 87.0761, 45.1586



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1728, 80.8330, 68.3510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2994, 87.0761, 45.1586 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(206, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 157)  
}
```

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(206, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 67.2994, 87.0761, 45.1586 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(206, 255, 157) }
```


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

```
.border{ border-color:rgb(206, 255, 157) }
```

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

Here you see how a box with a 4 pixel rgb(206, 255, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2994, 87.0761, 45.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 157) }
```

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

```
.background{ background-color: rgb(206,  
255, 157) }
```

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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