

Converting Colors

XYZ(68.6168, 85.2348, 45.3497)

Have a look what the booklet for
XYZ(68.6168, 85.2348, 45.3497)
contains.

XYZ(68.6761, 85.4388, 45.2195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.6761, 85.4388,
45.2195)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FA9E
RGB	216, 250, 158
RGB Percent	85%, 98%, 62%
CMY	0.1529, 0.0196, 0.3804
CMYK	0.14, 0.00, 0.37, 0.02
HSL	82°, 90%, 80%
HSV	82°, 37%, 98%
XYZ	68.6761, 85.4388, 45.2195
YIQ	229.3460, 9.2680, -35.8200

Conversions

Conversions Part 2

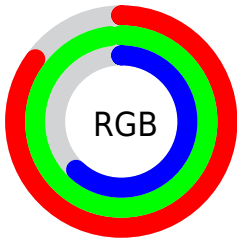
Format	Color
RYB	158, 250, 192
Decimal	14219934
CIELab	94.07, -25.78, 40.56
CIELCh	94, 48.061, 122.438
Yxy	85.4388, 0.3445, 0.4286
Android (android.graphics.Color)	4292410014 (0xFFD8FA9E)
YUV	229.3460, -35.1736, -11.7044
Hunter-Lab	92.4331, -29.1357, 35.6977

Details

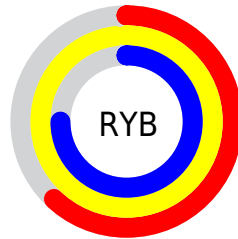
The XYZ color **68.6761, 85.4388, 45.2195** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.2239, 42.5647, 95.9633**, and the grayscale version is **74.9792, 78.8840, 85.9047**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **36.1170, 46.6334, 20.4622** is the 20% darker color. If you saturate the color by 10%, you get **64.0863, 83.2992, 34.8917**, and if you desaturate by 10%, it is **73.8615, 87.8402, 57.8635**.

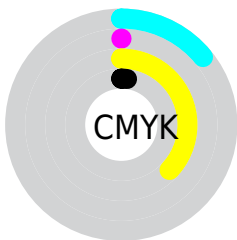
Distribution



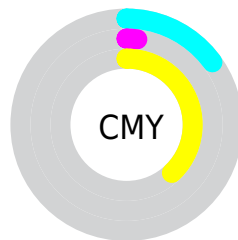
- Red (85%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (15%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6761, 85.4388, 45.2195 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 68.6761, 85.4388, 45.2195 by changing the saturation by 10% instead.


 68.6761, 85.4388,
45.2195


 68.6761, 85.4388,
45.2195


445.2270,
513.0789, 383.8478

 50.7237, 64.2040,
31.2861


 116.3554,
140.9861, 84.3716

 36.2089, 46.8159,
20.5565


 146.8130,
176.0674, 110.4275

 24.7664, 32.8902,
12.6122


182.1697,
216.5329, 141.3613

 16.0309, 22.0423,
7.0345

222.7909,
262.7672, 177.5915

 9.6370, 13.8880,
3.4049

269.0418,
315.1545, 219.5367

 5.2194, 8.0428,
1.3049

321.2879,

 2.4126, 4.1224,

374.0793, 267.6155

0.0658

379.8945,
439.9260, 322.2464

0.8514, 1.7422,
0.0000

0.0000, 0.4508,
0.0000

68.6761, 85.4388,
45.2195

68.6761, 85.4388,
45.2195

64.0863, 83.2992,
34.8917

73.8615, 87.8402,
57.8635

60.0565, 81.3982,
26.7339

79.6631, 90.5031,
72.9472

56.5566, 79.7262,
20.5917

86.1079, 93.4417,
90.5919

53.5504, 78.2686,
16.2880

92.7318, 96.4705,
108.3409

■ 50.9958, 77.0082,
13.6151

■ 93.4774, 96.8549,
108.3758

■ 48.8401, 75.9235,
12.3103

■ 48.2095, 75.6035,
12.0520

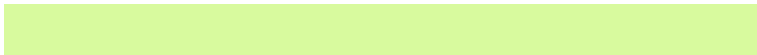
Harmonies

Analogous

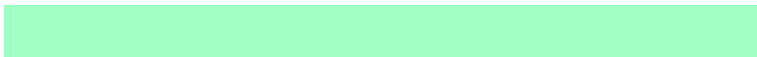
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1618, 85.4388, 38.7747



68.6761, 85.4388, 45.2195



61.2352, 85.4388, 64.0078

Triad

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



68.6761, 85.4388, 45.2195



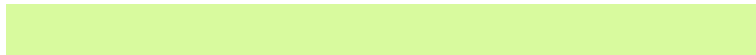
70.3149, 85.4388, 170.8035



108.4426, 85.4388, 90.0543

Complementary

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



68.6761, 85.4388, 45.2195



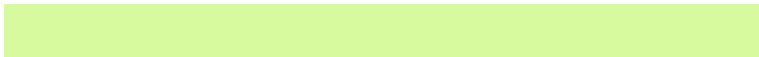
51.2239, 42.5647, 95.9633

Split Complementary

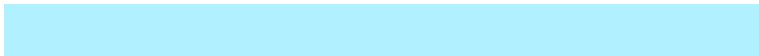
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.1081, 85.4388, 129.7131



68.6761, 85.4388, 45.2195



82.2613, 85.4388, 183.0146

Square

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



68.6761, 85.4388, 45.2195



62.1090, 85.4388, 136.3213



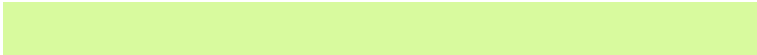
95.1764, 85.4388, 166.3353



103.8663, 85.4388, 60.0346

Rectangle

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



68.6761, 85.4388, 45.2195



59.1176, 85.4388, 84.0337



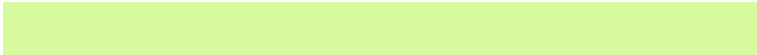
95.1764, 85.4388, 166.3353



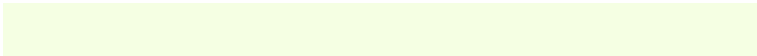
108.2096, 85.4388, 102.6429

Sweetspot

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



68.6782, 85.4426, 45.2213



87.1463, 96.4097, 86.6527



64.3902, 60.3778, 40.6093



18.4569, 20.5463, 18.0103



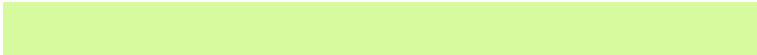
0.0000, 0.0000, 0.0000



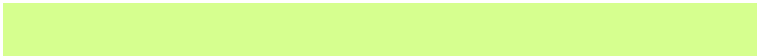
20.3446, 21.4041, 23.3091

Same Dimension

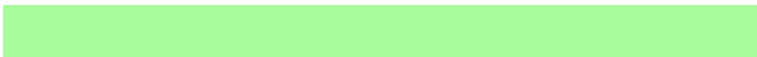
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6782, 85.4426, 45.2213



68.2972, 87.7226, 39.2397



56.9952, 79.4197, 44.6746



18.0691, 19.8514, 18.3418



25.7346, 40.1849, 6.4001



2.5003, 3.7821, 0.5982

Inverse Universe

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



51.2239, 42.5647, 95.9633



47.6745, 37.0287, 99.2423



64.6558, 49.4891, 96.5919



16.8890, 16.9554, 21.7679



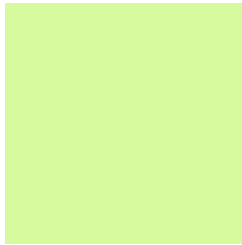
11.6603, 4.9538, 48.3152



1.1924, 0.5168, 4.4801

Previews

White Background



This preview shows how the XYZ color 68.6761, 85.4388, 45.2195 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 68.6761, 85.4388, 45.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

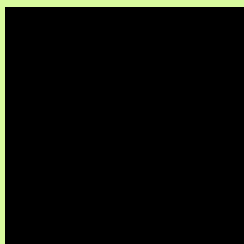
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

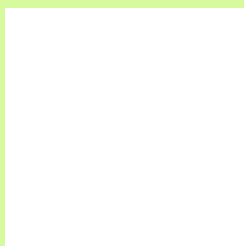
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6761, 85.4388, 45.2195

Background



This preview shows how black text looks on a background with the XYZ color 68.6761, 85.4388, 45.2195.

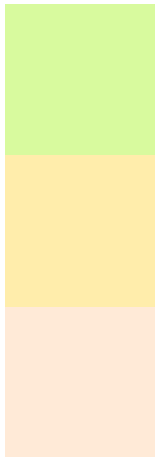


This preview shows how white text looks on a background with the XYZ color 68.6761, 85.4388,

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

68.6761, 85.4388, 45.2195

Protanopia

78.8749, 84.7686, 50.7329

Deuteranopia

82.9286, 85.0119, 76.3281



Tritanopia

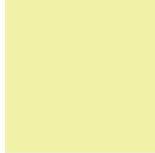
81.2577, 85.1921, 106.7687

Trichromacy



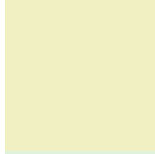
Original Color

68.6761, 85.4388, 45.2195



Protanomaly

74.9107, 84.9582, 48.5268



Deuteranomaly

77.1733, 84.9160, 63.3619



Tritanomaly

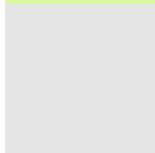
75.7217, 84.6791, 80.0639

Monochromacy



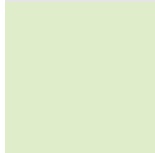
Original Color

68.6761, 85.4388, 45.2195



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.8041, 80.7275, 68.2974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6761, 85.4388, 45.2195 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(216, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(216, 250, 158)  
}
```

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(216, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 250, 158) }
```

Border

The CSS property to change the border of an element to XYZ 68.6761, 85.4388, 45.2195 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(216, 250, 158) }
```


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

```
.border{ border-color:rgb(216, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(216, 250,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6761, 85.4388, 45.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 250, 158) }
```

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

```
.background{ background-color: rgb(216,  
250, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor