

# Converting Colors

XYZ(66.3468, 82.7935, 48.0812)

Have a look what the booklet for  
XYZ(66.3468, 82.7935, 48.0812)  
contains.

|  |    |
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# Color

**XYZ(66.3468, 82.7935,  
48.0812)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | D1F7A5                     |
| RGB           | 209, 247, 165              |
| RGB Percent   | 82%, 97%, 65%              |
| CMY           | 0.1804, 0.0314, 0.3529     |
| CMYK          | 0.15, 0.00, 0.33, 0.03     |
| HSL           | 88°, 84%, 81%              |
| HSV           | 88°, 33%, 97%              |
| XYZ           | 66.3468, 82.7935, 48.0812  |
| YIQ           | 226.2900, 3.6740, -33.5580 |

# Conversions

## Conversions Part 2

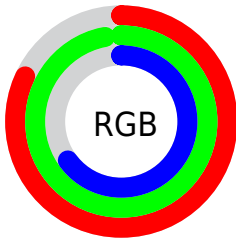
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 165, 247, 203                   |
| Decimal                             | 13760421                        |
| CIELab                              | 92.92, -25.96, 35.50            |
| CIELCh                              | 93, 43.980, 126.180             |
| Yxy                                 | 82.7935, 0.3364,<br>0.4198      |
| Android<br>(android.graphics.Color) | 4291950501<br>(0xFFD1F7A5)      |
| YUV                                 | 226.2900, -30.2160,<br>-15.1633 |
| Hunter-Lab                          | 90.9909, -29.0794,<br>32.3638   |

# Details

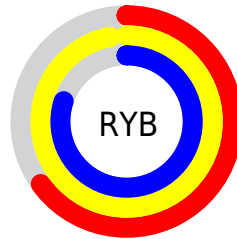
The XYZ color **66.3468, 82.7935, 48.0812** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.8757, 46.3245, 94.0496**, and the grayscale version is **72.7105, 76.4972, 83.3054**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **34.6923, 45.2038, 22.2260** is the 20% darker color. If you saturate the color by 10%, you get **61.1894, 80.3725, 37.2162**, and if you desaturate by 10%, it is **72.1754, 85.5155, 61.2473**.

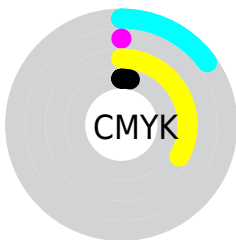
# Distribution



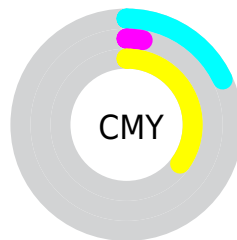
- Red (82%)
- Green (97%)
- Blue (65%)



- Red (65%)
- Yellow (97%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)




- Cyan (18%)
- Magenta (3%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3468, 82.7935, 48.0812 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 66.3468, 82.7935, 48.0812 by changing the saturation by 10% instead.




 66.3468, 82.7935,  
48.0812


 66.3468, 82.7935,  
48.0812


437.0852,  
504.2981, 395.6319

 48.8227, 62.0198,  
33.5307


 113.0389,  
137.2862, 88.6921

 34.6928, 45.0487,  
22.2589


 142.9377,  
171.7740, 115.5896

 23.5918, 31.4958,  
13.8471


177.6920,  
211.6020, 147.4399

 15.1542, 20.9767,  
7.8769

217.6673,  
257.1545, 184.6615

 9.0147, 13.1070,  
3.9296

263.2289,  
308.8160, 227.6730

 4.8079, 7.5022,  
1.5868

314.7422,

 2.1686, 3.7781,

366.9708, 276.8928

0.2814

372.5726,  
432.0034, 332.7396

0.7261, 1.5502,  
0.0000

0.0000, 0.3237,  
0.0000

66.3468, 82.7935,  
48.0812

66.3468, 82.7935,  
48.0812

61.1894, 80.3725,  
37.2162

72.1754, 85.5155,  
61.2473

56.6670, 78.2290,  
28.5147

78.6967, 88.5391,  
76.8309

52.7489, 76.3530,  
21.8325

85.9388, 91.8791,  
94.9471

49.3990, 74.7294,  
17.0059

92.4758, 94.9655,  
108.0639

■ 46.5759, 73.3411,  
13.8453

■ 92.5525, 95.0050,  
108.0675

■ 44.2303, 72.1676,  
12.1207

■ 42.8611, 71.4733,  
11.5367

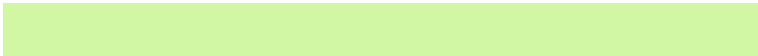
# Harmonies

## Analogous

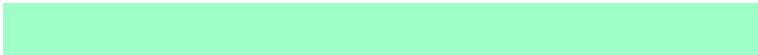
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3362, 82.7935, 40.7044



66.3468, 82.7935, 48.0812



60.1463, 82.7935, 66.9123

# Triad

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



66.3468, 82.7935, 48.0812



70.0950, 82.7935, 161.3859



102.7897, 82.7935, 83.5009

# Complementary

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



66.3468, 82.7935, 48.0812



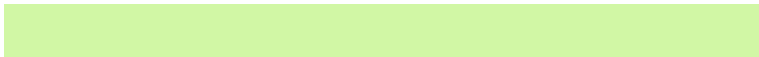
54.8757, 46.3245, 94.0496

# Split Complementary

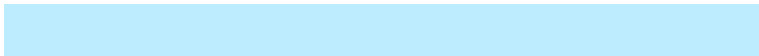
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7065, 82.7935, 118.2223



66.3468, 82.7935, 48.0812



81.0973, 82.7935, 168.9117

# Square

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



66.3468, 82.7935, 48.0812



62.1583, 82.7935, 132.9419



92.4824, 82.7935, 151.5415

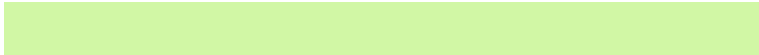


97.9265, 82.7935, 57.6913

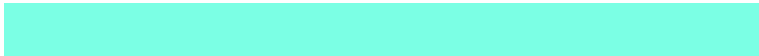


# Rectangle

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



66.3468, 82.7935, 48.0812



58.6256, 82.7935, 85.9936



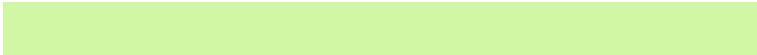
92.4824, 82.7935, 151.5415



102.8846, 82.7935, 94.4341

# Sweetspot

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



66.3489, 82.7971, 48.0830



86.9977, 96.2922, 88.4963



66.2496, 64.6879, 44.5928



18.3925, 20.5049, 18.3761



0.0000, 0.0000, 0.0000

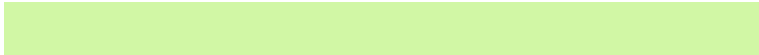


20.3446, 21.4041, 23.3091

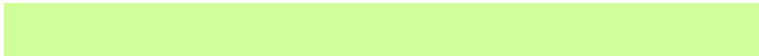


# Same Dimension

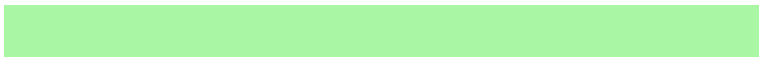
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3489, 82.7971, 48.0830



67.4455, 87.1903, 43.4116



56.4385, 77.6881, 47.6192



17.1315, 18.9098, 17.5446



22.8324, 37.8833, 6.1088



2.1253, 3.3907, 0.5425



# Inverse Universe

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



54.8757, 46.3245, 94.0496



53.3336, 42.3195, 99.9652



67.1745, 52.6648, 94.6252



16.3112, 16.3031, 20.8297



12.7418, 5.5430, 46.9364

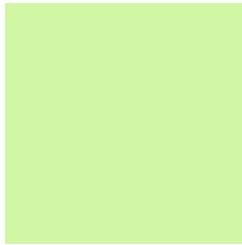


1.2372, 0.5476, 4.1307



# Previews

## White Background



This preview shows how the XYZ color 66.3468, 82.7935, 48.0812 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 66.3468, 82.7935, 48.0812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

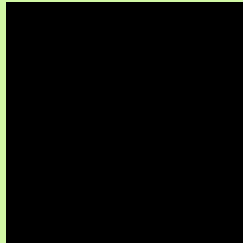
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

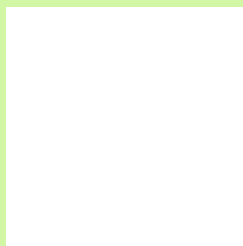
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.3468, 82.7935, 48.0812**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.3468, 82.7935, 48.0812.



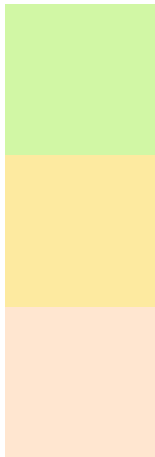
This preview shows how white text looks on a background with the XYZ color 66.3468, 82.7935,



# 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

66.3468, 82.7935, 48.0812

### Protanopia

76.2760, 82.2663, 45.1165

### Deuteranopia

80.9220, 82.4077, 71.3157



## Tritanopia

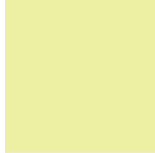
78.1697, 82.7405, 106.4583

# Trichromacy



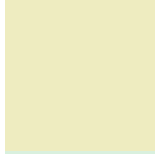
## Original Color

66.3468, 82.7935, 48.0812



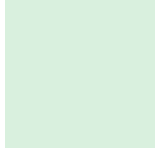
## Protanomaly

72.3131, 82.3462, 46.2655



## Deuteranomaly

74.7698, 81.9738, 61.7509



## Tritanomaly

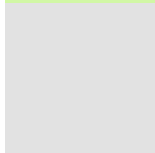
72.9602, 82.3458, 81.1562

# Monochromacy



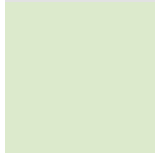
## Original Color

66.3468, 82.7935, 48.0812



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.8371, 78.4209, 68.5827

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.3468, 82.7935, 48.0812 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(209, 247, 165)` looks like.

```
.text, #text, p{  
    color:rgb(209, 247, 165)  
}
```

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(209, 247, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 247, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 66.3468, 82.7935, 48.0812 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(209, 247, 165) }
```



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

```
.border{ border-color:rgb(209, 247, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 247, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 247, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 247, 165);  
box-shadow:4px 4px 4px 4px rgb(209, 247,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.3468, 82.7935, 48.0812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 247, 165) }
```

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

```
.background{ background-color: rgb(209,  
247, 165) }
```

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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