

# Converting Colors

XYZ(70.5290, 88.0550, 54.8740)

Have a look what the booklet for  
XYZ(70.5290, 88.0550, 54.8740)  
contains.

<b>XYZ(70.5290, 88.0550, 54.8740)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(70.5290, 88.0550,  
54.8740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FEB1
RGB	212, 254, 177
RGB Percent	83%, 100%, 69%
CMY	0.1686, 0.0039, 0.3059
CMYK	0.17, 0.00, 0.30, 0.00
HSL	93°, 97%, 85%
HSV	93°, 30%, 100%
XYZ	70.5290, 88.0550, 54.8740
YIQ	232.6640, -0.3150, -32.8510

# Conversions

## Conversions Part 2

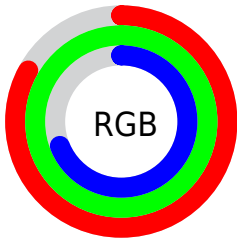
Format	Color
<a href="#">RYB</a>	<a href="#">177, 254, 219</a>
Decimal	<a href="#">13958833</a>
CIELab	<a href="#">95.18, -26.57, 32.54</a>
CIElCh	<a href="#">95, 42.010, 129.239</a>
Yxy	<a href="#">88.0550, 0.3304, 0.4125</a>
Android (android.graphics.Color)	<a href="#">4292148913 (0xFFD4FEB1)</a>
YUV	<a href="#">232.6640, -27.4424, -18.1223</a>
Hunter-Lab	<a href="#">93.8376, -30.0540, 31.0150</a>

# Details

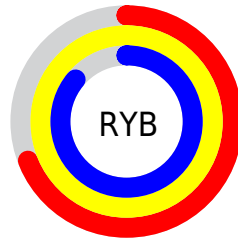
The XYZ color **70.5290, 88.0550, 54.8740** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.8286, 53.6626, 100.8172**, and the grayscale version is **77.4014, 81.4323, 88.6798**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **37.3146, 48.4557, 26.4550** is the 20% darker color. If you saturate the color by 10%, you get **64.4054, 85.1667, 42.5794**, and if you desaturate by 10%, it is **77.4712, 91.3162, 69.6703**.

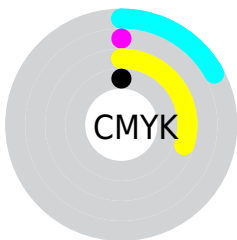
# Distribution



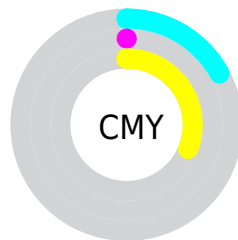
- Red (83%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (86%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5290, 88.0550, 54.8740 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 70.5290, 88.0550, 54.8740 by changing the saturation by 10% instead.



 70.5290, 88.0550,  
54.8740

 70.5290, 88.0550,  
54.8740

451.6427,  
521.6833, 422.7026

 52.2391, 66.3686,  
38.9029


 118.9850,  
144.6337, 98.8256

 37.4207, 48.5717,  
26.3770


149.8818,  
180.2949, 127.6433

 25.7086, 34.2798,  
16.8776


185.7115,  
221.3830, 161.5802

 16.7373, 23.1087,  
9.9862

226.8397,  
268.2826, 201.0549

 10.1415, 14.6738,  
5.2843

273.6315,  
321.3781, 246.4859

 5.5559, 8.5908,  
2.3534

326.4524,

 2.6150, 4.4752,

381.0538, 298.2919

0.7609

385.6677,  
447.6940, 356.8913

■ 0.9536, 1.9428,  
0.0000

■ 0.0000, 0.5739,  
0.0000

■ 70.5290, 88.0550,  
54.8740

■ 70.5290, 88.0550,  
54.8740

■ 64.4054, 85.1667,  
42.5794

■ 77.4712, 91.3162,  
69.6703

■ 59.0590, 82.6249,  
32.6423

■ 85.2576, 94.9528,  
87.0901

■ 54.4541, 80.4173,  
24.9128

■ 93.9211, 98.9816,  
107.2543

■ 50.5496, 78.5264,  
19.2215

■ 94.7336, 99.3673,  
108.7945

■ 47.2988, 76.9323,  
15.3741

■ 44.6476, 75.6123,  
13.1386

■ 42.5727, 74.5624,  
12.1482

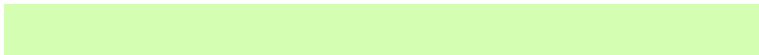
# Harmonies

## Analogous

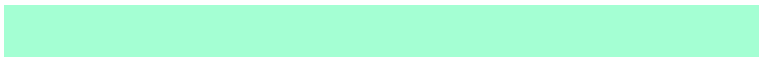
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2094, 88.0550, 46.1481



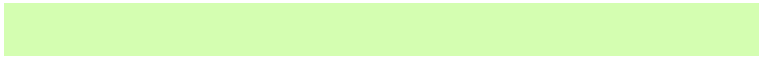
70.5290, 88.0550, 54.8740



64.7540, 88.0550, 75.2241

# Triad

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



70.5290, 88.0550, 54.8740



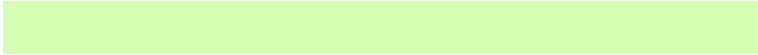
76.1318, 88.0550, 167.7210



107.3515, 88.0550, 86.1085

# Complementary

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



70.5290, 88.0550, 54.8740



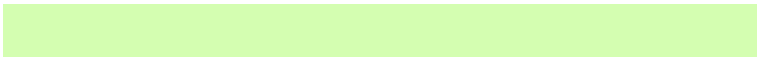
62.8286, 53.6626, 100.8172

# Split Complementary

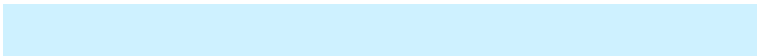
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.0071, 88.0550, 120.0011



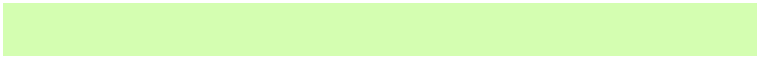
70.5290, 88.0550, 54.8740



87.2773, 88.0550, 172.5211

# Square

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



70.5290, 88.0550, 54.8740



67.7781, 88.0550, 141.5322



98.4023, 88.0550, 153.4528

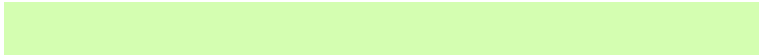


101.9239, 88.0550, 61.2762



# Rectangle

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



70.5290, 88.0550, 54.8740



63.5586, 88.0550, 95.0423



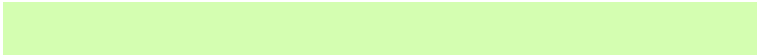
98.4023, 88.0550, 153.4528



107.6867, 88.0550, 96.7165

# Sweetspot

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



70.5313, 88.0588, 54.8759



87.1158, 96.3115, 90.3797



73.9010, 74.4259, 52.0669



18.3864, 20.4935, 18.7499



0.0000, 0.0000, 0.0000

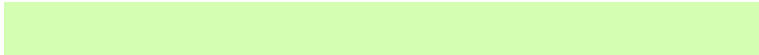


20.3446, 21.4041, 23.3091

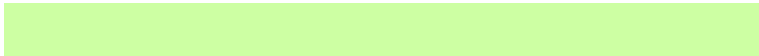


# Same Dimension

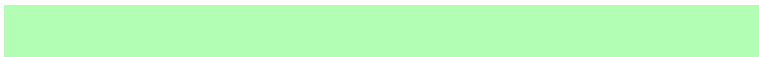
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5313, 88.0588, 54.8759



67.5445, 87.1398, 48.0040



61.7700, 83.5124, 55.8142



18.5558, 20.5724, 19.1372



22.6087, 39.3933, 6.4121



2.3253, 3.8995, 0.6301



# Inverse Universe

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



62.8286, 53.6626, 100.8172



58.7036, 47.6730, 100.7155



74.0797, 59.5099, 99.2121



17.9500, 17.8660, 22.7524



15.1784, 6.7352, 49.9346

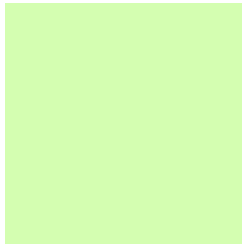


1.6039, 0.7207, 4.8679



# Previews

## White Background



This preview shows how the XYZ color 70.5290, 88.0550, 54.8740 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 70.5290, 88.0550, 54.8740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

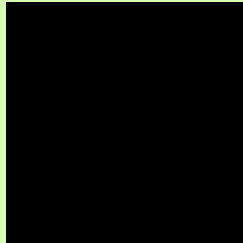
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

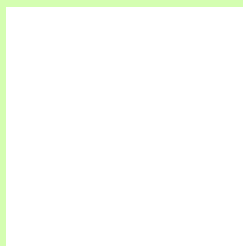
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.5290, 88.0550, 54.8740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5290, 88.0550, 54.8740.



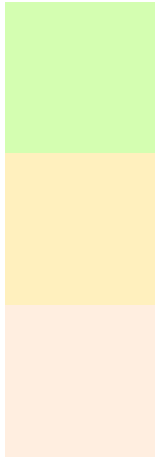
This preview shows how white text looks on a background with the XYZ color 70.5290, 88.0550,



# 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

70.5290, 88.0550, 54.8740

### Protanopia

81.6944, 87.2979, 61.2596

### Deuteranopia

85.2691, 87.7909, 82.9722



## Tritanopia

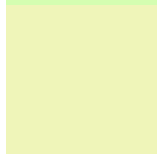
82.7571, 87.7132, 107.1763

# Trichromacy



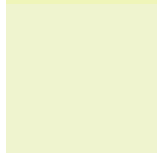
## Original Color

70.5290, 88.0550, 54.8740



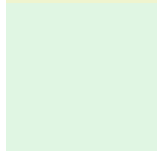
## Protanomaly

77.0060, 87.1583, 58.6635



## Deuteranomaly

79.2098, 87.5571, 71.7569



## Tritanomaly

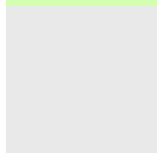
77.5614, 87.3049, 85.4367

# Monochromacy



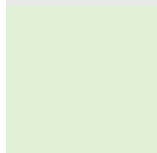
## Original Color

70.5290, 88.0550, 54.8740



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.5169, 83.7222, 75.1833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5290, 88.0550, 54.8740 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(212, 254, 177)` looks like.

```
.text, #text, p{  
    color:rgb(212, 254, 177)  
}
```

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(212, 254, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 254, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5290, 88.0550, 54.8740 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(212, 254, 177) }
```



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

```
.border{ border-color:rgb(212, 254, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 254, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 254, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 254, 177);  
box-shadow:4px 4px 4px 4px rgb(212, 254,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5290, 88.0550, 54.8740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 254, 177) }
```

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

```
.background{ background-color: rgb(212,  
254, 177) }
```

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