

# Converting Colors

XYZ(76.6649, 100.0000,  
57.1415)

Have a look what the booklet for  
XYZ(76.6649, 100.0000, 57.1415)  
contains.

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# Color

**XYZ(71.2365, 88.8805,  
55.5206)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | D5FFB2                      |
| RGB         | 213, 255, 178               |
| RGB Percent | 84%, 100%, 70%              |
| CMY         | 0.1647, 0.0000, 0.3020      |
| CMYK        | 0.16, 0.00, 0.30, 0.00      |
| HSL         | 93°, 100%, 85%              |
| HSV         | 93°, 30%, 100%              |
| XYZ         | 71.2365, 88.8805, 55.5206   |
| YIQ         | 233.6640, -0.3150, -32.8510 |

# Conversions

## Conversions Part 2

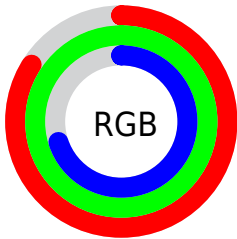
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">178, 255, 220</a>                                |
| Decimal                             | <a href="#">14024626</a>                                     |
| CIELab                              | <a href="#">95.53, -26.56, 32.51</a>                         |
| CIELCh                              | <a href="#">96, 41.980, 129.245</a>                          |
| Yxy                                 | <a href="#">88.8805, 0.3304, 0.4122</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4292214706</a><br>( <a href="#">0xFFD5FFB2</a> ) |
| YUV                                 | <a href="#">233.6640, -27.4424, -18.1223</a>                 |
| Hunter-Lab                          | <a href="#">94.2765, -30.1069, 31.0769</a>                   |

# Details

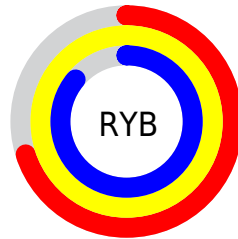
The XYZ color **71.2365, 88.8805, 55.5206** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63.4866, 54.2777, 101.7383**, and the grayscale version is **78.1532, 82.2233, 89.5412**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **37.8004, 49.0369, 26.8748** is the 20% darker color. If you saturate the color by 10%, you get **65.0463, 85.9581, 43.0853**, and if you desaturate by 10%, it is **78.2497, 92.1721, 70.4812**.

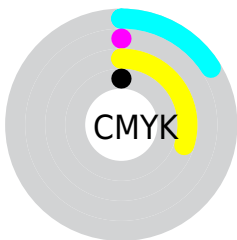
# Distribution



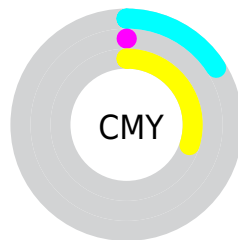
- Red (84%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2365, 88.8805, 55.5206 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 71.2365, 88.8805, 55.5206 by changing the saturation by 10% instead.





 71.2365, 88.8805,  
55.5206

 71.2365, 88.8805,  
55.5206


454.0787,  
524.3824, 425.2198

 52.8184, 67.0525,  
39.4173


 119.9871,  
145.7824, 99.7821

 37.8848, 49.1273,  
26.7742


151.0504,  
181.6251, 128.7773

 26.0701, 34.7205,  
17.1728


187.0594,  
222.9081, 162.9069

 17.0090, 23.4476,  
10.1945

228.3796,  
270.0159, 202.5895

 10.3363, 14.9244,  
5.4208

275.3762,  
323.3328, 248.2435

 5.6864, 8.7663,  
2.4332

328.4147,

 2.6942, 4.5891,

383.2433, 300.2875

0.8044

387.8605,  
450.1317, 359.1401

0.9942, 2.0082,  
0.0000

0.0000, 0.6123,  
0.0000

71.2365, 88.8805,  
55.5206

71.2365, 88.8805,  
55.5206

65.0463, 85.9581,  
43.0853

78.2497, 92.1721,  
70.4812

59.6425, 83.3894,  
33.0318

86.1172, 95.8463,  
88.0919

54.9878, 81.1581,  
25.2083

94.8702, 99.9166,  
108.4740

51.0403, 79.2466,  
19.4440

95.0500, 100.0000,  
108.9000

■ 47.7532, 77.6349,  
15.5430

■ 45.0718, 76.3001,  
13.2717

■ 42.9501, 75.2267,  
12.2565

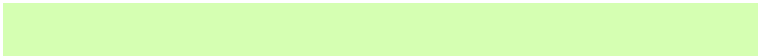
# Harmonies

## Analogous

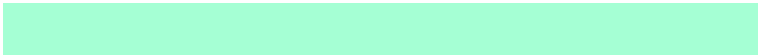
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9725, 88.8805, 46.7285



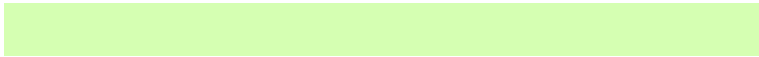
71.2365, 88.8805, 55.5206



65.4271, 88.8805, 76.0073

# Triad

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



71.2365, 88.8805, 55.5206



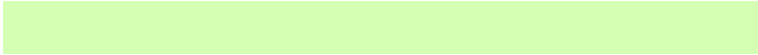
76.8756, 88.8805, 168.9677



108.2590, 88.8805, 86.9463

# Complementary

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



71.2365, 88.8805, 55.5206



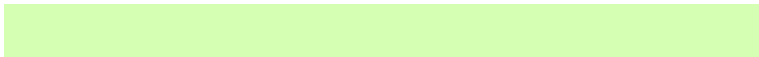
63.4866, 54.2777, 101.7383

# Split Complementary

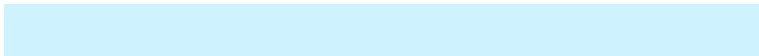
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.9092, 88.8805, 121.0197



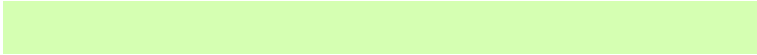
71.2365, 88.8805, 55.5206



88.0837, 88.8805, 173.7833

# Square

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



71.2365, 88.8805, 55.5206



68.4716, 88.8805, 142.6665



99.2670, 88.8805, 154.6294

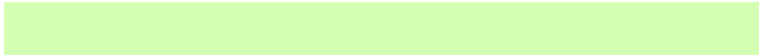


102.8032, 88.8805, 61.9610

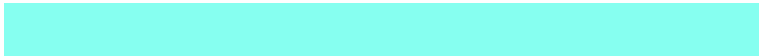


# Rectangle

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



71.2365, 88.8805, 55.5206



64.2249, 88.8805, 95.9425



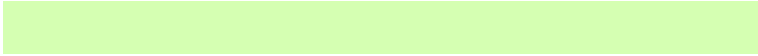
99.2670, 88.8805, 154.6294



108.5962, 88.8805, 97.6138

# Sweetspot

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



71.2370, 88.8807, 55.5219



87.1161, 96.3116, 90.3797



74.6254, 75.1729, 52.6975



18.3865, 20.4936, 18.7499



0.0000, 0.0000, 0.0000

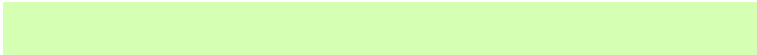


20.3446, 21.4041, 23.3091

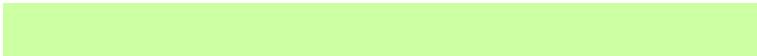


# Same Dimension

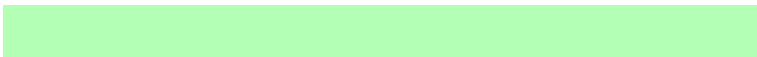
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2370, 88.8807, 55.5219



67.5454, 87.1402, 48.0041



62.4170, 84.3038, 56.4672



18.5558, 20.5725, 19.1372



22.6094, 39.3936, 6.4121



2.3254, 3.8995, 0.6301



# Inverse Universe

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



63.4866, 54.2777, 101.7383



58.7027, 47.6725, 100.7155



74.8004, 60.1576, 100.1251



17.9500, 17.8659, 22.7524



15.1776, 6.7348, 49.9346

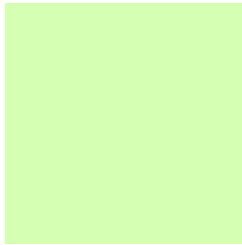


1.6038, 0.7207, 4.8679



# Previews

## White Background



This preview shows how the XYZ color 71.2365, 88.8805, 55.5206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

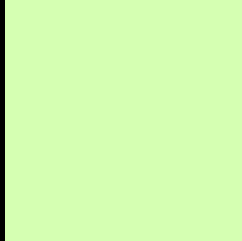
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2365, 88.8805, 55.5206 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

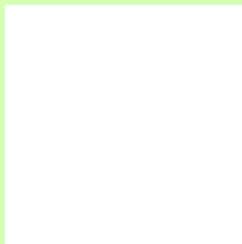
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.2365, 88.8805, 55.5206**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2365, 88.8805, 55.5206.



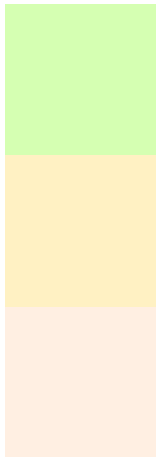
This preview shows how white text looks on a background with the XYZ color 71.2365, 88.8805,



# 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

71.2365, 88.8805, 55.5206

### Protanopia

82.5456, 88.1107, 64.2862

### Deuteranopia

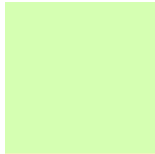
85.8340, 88.4840, 84.5067



## Tritanopia

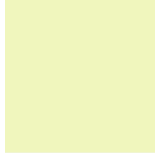
83.3793, 88.4770, 107.2909

# Trichromacy



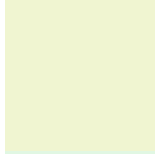
## Original Color

71.2365, 88.8805, 55.5206



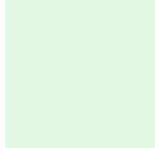
## Protanomaly

78.0763, 88.1109, 61.0362



## Deuteranomaly

80.0962, 88.4335, 73.1695



## Tritanomaly

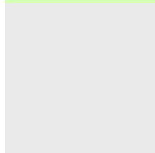
78.1772, 88.0751, 85.5529

# Monochromacy



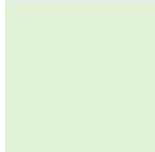
## Original Color

71.2365, 88.8805, 55.5206



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.2538, 84.5281, 75.9676

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2365, 88.8805, 55.5206 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(213, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 178)  
}
```

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(213, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2365, 88.8805, 55.5206 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(213, 255, 178) }
```



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

```
.border{ border-color:rgb(213, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 255, 178); box-shadow:4px 4px 4px 4px rgb(213, 255, 178) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2365, 88.8805, 55.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 178) }
```

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

```
.background{ background-color: rgb(213,  
255, 178) }
```

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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