

# Converting Colors

XYZ(71.8644, 88.8627, 70.9759)

Have a look what the booklet for  
XYZ(71.8644, 88.8627, 70.9759)  
contains.

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# Color

**XYZ(71.9563, 88.9069,  
71.1259)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">CDFEED</a>
RGB	<a href="#">205, 255, 205</a>
RGB Percent	<a href="#">80%, 100%, 80%</a>
CMY	<a href="#">0.1961, 0.0000, 0.1961</a>
<a href="#">CMYK</a>	<a href="#">0.20, 0.00, 0.20, 0.00</a>
HSL	<a href="#">120°, 100%, 90%</a>
HSV	<a href="#">120°, 20%, 100%</a>
XYZ	<a href="#">71.9563, 88.9069, 71.1259</a>
YIQ	<a href="#">234.3500, -13.7500, -26.1500</a>

# Conversions

## Conversions Part 2

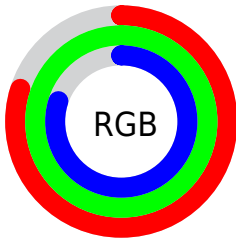
Format	Color
<a href="#">RYB</a>	<a href="#">205, 255, 255</a>
Decimal	<a href="#">13500365</a>
CIELab	<a href="#">95.54, -25.08, 18.78</a>
CIELCh	<a href="#">96, 31.332, 143.178</a>
Yxy	<a href="#">88.9069, 0.3102, 0.3832</a>
Android (android.graphics.Color)	<a href="#">4291690445 (0xFFCDDFFCD)</a>
YUV	<a href="#">234.3500, -14.4695, -25.7399</a>
Hunter-Lab	<a href="#">94.2905, -28.7888, 21.2792</a>

# Details

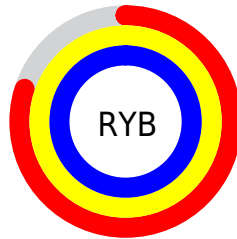
The XYZ color **71.9563, 88.9069, 71.1259** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.1215, 72.1433, 104.2566**, and the grayscale version is **78.5852, 82.6778, 90.0361**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3577, 49.1066, 36.7350** is the 20% darker color. If you saturate the color by 10%, you get **62.6541, 84.4386, 55.9109**, and if you desaturate by 10%, it is **82.9078, 94.1675, 89.0394**.

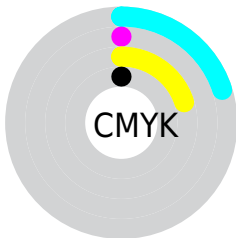
# Distribution



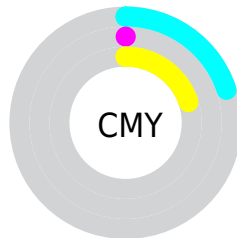
- Red (80%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9563, 88.9069, 71.1259 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 71.9563, 88.9069, 71.1259 by changing the saturation by 10% instead.




 71.9563, 88.9069,  
71.1259

 71.9563, 88.9069,  
71.1259


456.5495,  
524.4686, 483.3889

 53.4083, 67.0744,  
51.9625


121.0055,  
145.8191, 122.5091

 38.3576, 49.1451,  
36.5931


152.2375,  
181.6676, 155.5660

 26.4388, 34.7346,  
24.5993

188.4282,  
222.9568, 194.0911

 17.2866, 23.4585,  
15.5625

229.9429,  
270.0713, 238.5029

 10.5356, 14.9324,  
9.0641

277.1470,  
323.3953, 289.2201

 5.8205, 8.7720,  
4.6856

330.4059,

 2.7759, 4.5927,

383.3132, 346.6612

2.0085

390.0850,  
450.2095, 411.2446

■ 1.0364, 2.0104,  
0.5605

■ 0.0000, 0.6135,  
0.0000

■ 71.9563, 88.9069,  
71.1259

■ 71.9563, 88.9069,  
71.1259

■ 62.6541, 84.4386,  
55.9109

■ 82.9078, 94.1675,  
89.0394

■ 54.9197, 80.7234,  
43.2598

95.0500, 100.0000,  
108.9000

■ 48.6672, 77.7200,  
33.0327

■ 43.8021, 75.3830,  
25.0747

■ 40.2186, 73.6617,  
19.2133

■ 37.7962, 72.4981,  
15.2508

■ 36.3911, 71.8231,  
12.9524

■ 35.7780, 71.5287,  
11.9496

■ 35.7600, 71.5200,  
11.9201

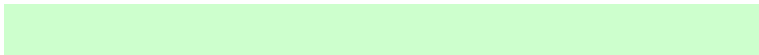
# Harmonies

## Analogous

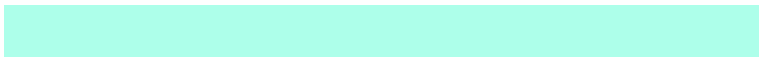
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1663, 88.9069, 59.4978



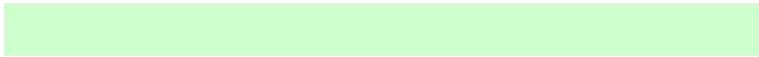
71.9563, 88.9069, 71.1259



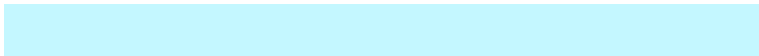
69.1380, 88.9069, 91.2920

# Triad

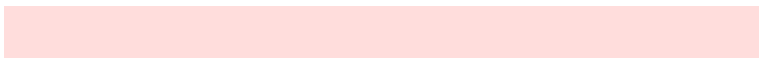
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9563, 88.9069, 71.1259



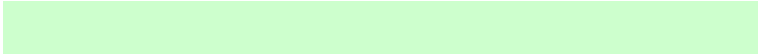
82.5559, 88.9069, 151.7938



100.6189, 88.9069, 79.3509

# Complementary

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



71.9563, 88.9069, 71.1259



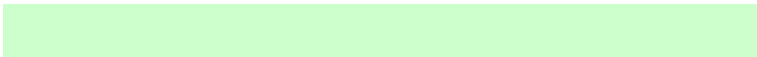
81.1215, 72.1433, 104.2566

# 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.



101.9916, 88.9069, 102.5346



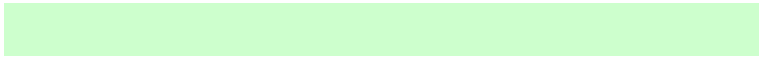
71.9563, 88.9069, 71.1259



91.1739, 88.9069, 147.1401

# Square

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



71.9563, 88.9069, 71.1259



74.9834, 88.9069, 139.8342



98.4302, 88.9069, 128.0210

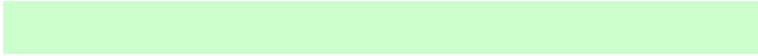


94.7967, 88.9069, 63.6541



# Rectangle

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



71.9563, 88.9069, 71.1259



69.4165, 88.9069, 107.9964



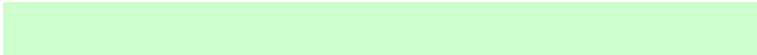
98.4302, 88.9069, 128.0210



101.6315, 88.9069, 86.4138

# Sweetspot

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



71.9569, 88.9072, 71.1273



87.2771, 96.2663, 96.1860



88.0196, 97.1878, 71.8785



18.5080, 20.5219, 20.3049



0.0000, 0.0000, 0.0000

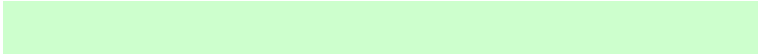


20.3446, 21.4041, 23.3091

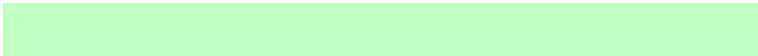


# Same Dimension

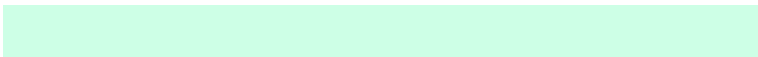
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9569, 88.9072, 71.1273



67.6721, 86.8490, 64.1186



75.2203, 90.2126, 88.3117



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065



# Inverse Universe

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



81.1215, 72.1433, 104.2566



78.5372, 66.9745, 103.3950



77.3547, 70.6365, 84.4206



18.7927, 18.3004, 22.7917



30.9800, 14.8813, 50.6724

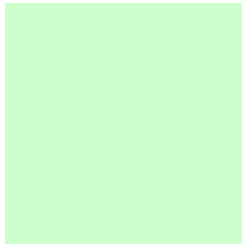


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 71.9563, 88.9069, 71.1259 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 71.9563, 88.9069, 71.1259 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 71.9563, 88.9069, 71.1259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9563, 88.9069, 71.1259.



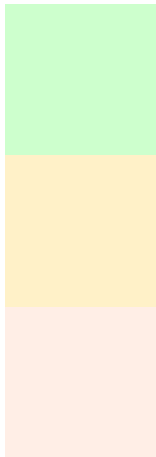
This preview shows how white text looks on a background with the XYZ color 71.9563, 88.9069,



# 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

71.9563, 88.9069, 71.1259

### Protanopia

83.1206, 88.3407, 67.3141

### Deuteranopia

86.0975, 88.1222, 87.3344



## Tritanopia

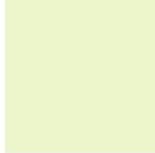
82.3956, 88.4153, 107.3309

# Trichromacy



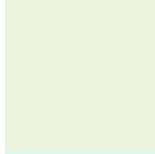
## Original Color

71.9563, 88.9069, 71.1259



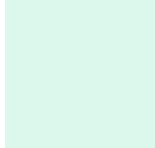
## Protanomaly

78.5415, 88.1803, 68.7580



## Deuteranomaly

80.3269, 87.9264, 81.1444



## Tritanomaly

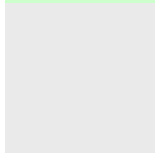
78.3687, 88.4649, 93.0657

# Monochromacy



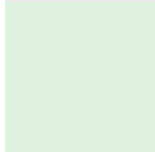
## Original Color

71.9563, 88.9069, 71.1259



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.5028, 84.5199, 82.1466

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9563, 88.9069, 71.1259 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(205, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 205)  
}
```

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(205, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9563, 88.9069, 71.1259 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(205, 255, 205) }
```



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

```
.border{ border-color:rgb(205, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9563, 88.9069, 71.1259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 205) }
```

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

```
.background{ background-color: rgb(205,  
255, 205) }
```

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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