

# Converting Colors

XYZ(70.2515, 88.3222, 57.7556)

Have a look what the booklet for  
XYZ(70.2515, 88.3222, 57.7556)  
contains.

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# Color

**XYZ(70.2159, 88.3073,  
57.6002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFB6
RGB	208, 255, 182
RGB Percent	82%, 100%, 71%
CMY	0.1843, 0.0000, 0.2863
CMYK	0.18, 0.00, 0.29, 0.00
HSL	99°, 100%, 86%
HSV	99°, 29%, 100%
XYZ	70.2159, 88.3073, 57.6002
YIQ	232.6250, -4.5790, -32.6670

# Conversions

## Conversions Part 2

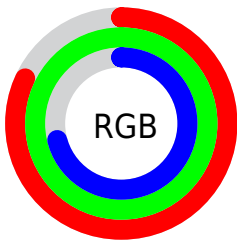
Format	Color
<a href="#">RYB</a>	<a href="#">182, 255, 229</a>
Decimal	<a href="#">13696950</a>
CIELab	<a href="#">95.29, -27.70, 30.13</a>
CIELCh	<a href="#">95, 40.927, 132.599</a>
Yxy	<a href="#">88.3073, 0.3249, 0.4086</a>
Android (android.graphics.Color)	<a href="#">4291887030 (0xFFD0FFB6)</a>
YUV	<a href="#">232.6250, -24.9581, -21.5961</a>
Hunter-Lab	<a href="#">93.9720, -31.0756, 29.4385</a>

# Details

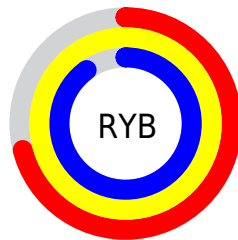
The XYZ color **70.2159, 88.3073, 57.6002** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0921, 57.3352, 102.1384**, and the grayscale version is **77.3537, 81.3822, 88.6252**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **37.2934, 48.7455, 28.2121** is the 20% darker color. If you saturate the color by 10%, you get **63.4361, 85.0894, 44.7565**, and if you desaturate by 10%, it is **77.9545, 91.9639, 72.9962**.

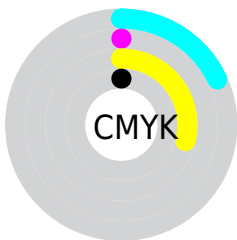
# Distribution



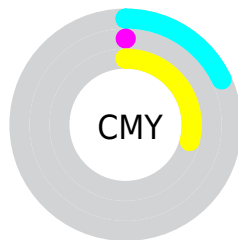
- Red (82%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (90%)



- Cyan (18%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2159, 88.3073, 57.6002 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 70.2159, 88.3073, 57.6002 by changing the saturation by 10% instead.





 70.2159, 88.3073,  
57.6002

 70.2159, 88.3073,  
57.6002


450.5623,  
522.5091, 433.2511

 51.9828, 66.5776,  
41.0747


 118.5412,  
144.9849, 102.8494

 37.2156, 48.7414,  
28.0574


149.3641,  
180.7016, 132.4103

 25.5489, 34.4144,  
18.1295


185.1143,  
221.8494, 167.1534

 16.6174, 23.2121,  
10.8726

226.1571,  
268.8127, 207.4973

 10.0557, 14.7502,  
5.8681

272.8580,  
321.9760, 253.8604

 5.4984, 8.6443,  
2.6976

325.5823,

 2.5803, 4.5099,

381.7235, 306.6614

0.9422

384.6952,  
448.4397, 366.3188

■ 0.9359, 1.9627,  
0.0000

■ 0.0000, 0.5857,  
0.0000

■ 70.2159, 88.3073,  
57.6002

■ 70.2159, 88.3073,  
57.6002

■ 63.4361, 85.0894,  
44.7565

■ 77.9545, 91.9639,  
72.9962

■ 57.5730, 82.2918,  
34.3231

■ 86.6883, 96.0754,  
91.0680

■ 52.5835, 79.8953,  
26.1503

95.0500, 100.0000,  
108.9000

■ 48.4198, 77.8791,  
20.0701

■ 45.0287, 76.2199,  
15.8909

■ 42.3492, 74.8912,  
13.3860

■ 40.3009, 73.8587,  
12.2327

■ 40.0566, 73.7350,  
12.1211

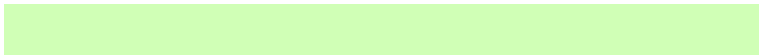
# Harmonies

## Analogous

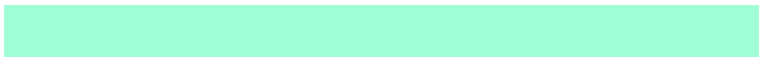
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3342, 88.3073, 47.7385



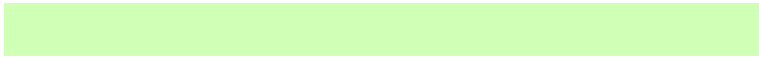
70.2159, 88.3073, 57.6002



65.0571, 88.3073, 78.9002

# Triad

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



70.2159, 88.3073, 57.6002



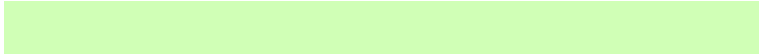
77.6711, 88.3073, 167.6224



106.6935, 88.3073, 83.3462

# Complementary

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



70.2159, 88.3073, 57.6002



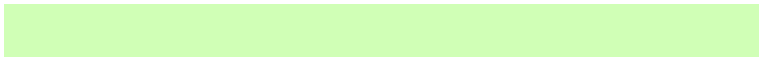
67.0921, 57.3352, 102.1384

# Split Complementary

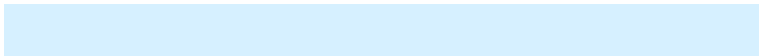
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.1477, 88.3073, 115.7506



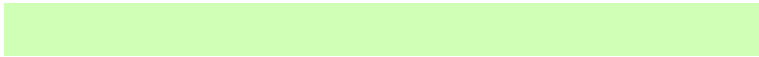
70.2159, 88.3073, 57.6002



88.7071, 88.3073, 169.5627

# Square

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



70.2159, 88.3073, 57.6002



69.0918, 88.3073, 144.0979



99.3304, 88.3073, 148.9251

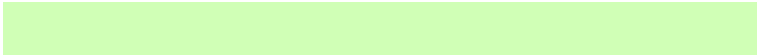


100.7615, 88.3073, 60.2300



# Rectangle

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



70.2159, 88.3073, 57.6002



64.2495, 88.3073, 98.9683



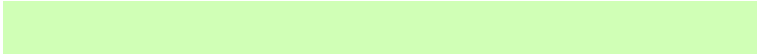
99.3304, 88.3073, 148.9251



107.2757, 88.3073, 93.3889

# Sweetspot

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



70.2164, 88.3075, 57.6015



86.3438, 95.9135, 90.3435



77.4916, 80.2533, 55.6634



18.1968, 20.3957, 18.7411



0.0000, 0.0000, 0.0000

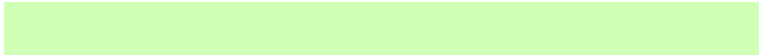


20.3446, 21.4041, 23.3091

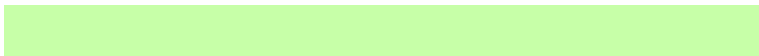


# Same Dimension

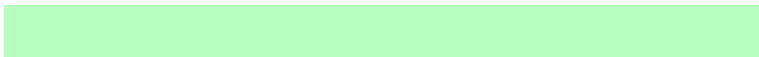
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2164, 88.3075, 57.6015



66.4564, 86.5249, 50.3908



64.5371, 85.2594, 62.7709



18.3820, 20.4828, 19.1291



21.0772, 38.6038, 6.3404



2.1660, 3.8173, 0.6227



# Inverse Universe

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



67.0921, 57.3352, 102.1384



62.8862, 51.2029, 101.1764



74.4907, 61.3258, 94.5110



18.1282, 17.9578, 22.7607



17.6193, 7.9936, 50.0489

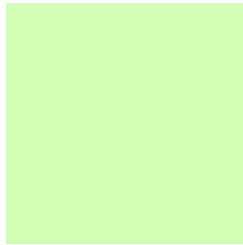


1.8346, 0.8397, 4.8787



# Previews

## White Background



This preview shows how the XYZ color 70.2159, 88.3073, 57.6002 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

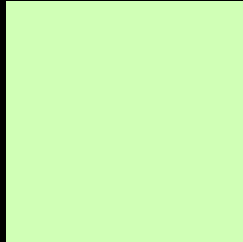
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.2159, 88.3073, 57.6002 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

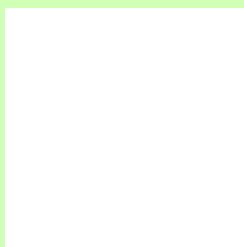
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.2159, 88.3073, 57.6002**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.2159, 88.3073, 57.6002.



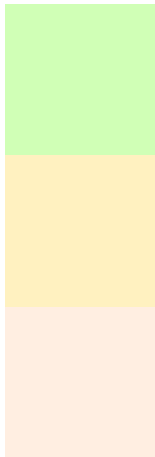
This preview shows how white text looks on a background with the XYZ color 70.2159, 88.3073,



# 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**

70.2159, 88.3073, 57.6002

**Protanopia**

82.2097, 87.9764, 62.5174

**Deuteranopia**

85.4051, 87.8453, 83.6887



## Tritanopia

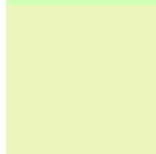
82.4137, 87.9792, 107.2458

# Trichromacy



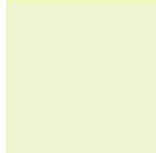
## Original Color

70.2159, 88.3073, 57.6002



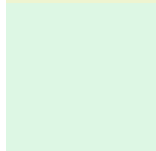
## Protanomaly

77.2928, 87.7195, 60.4347



## Deuteranomaly

79.1192, 87.4820, 73.0373



## Tritanomaly

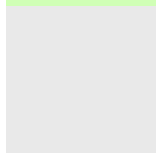
77.0831, 87.4951, 86.2243

# Monochromacy



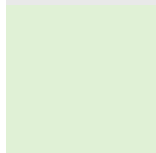
## Original Color

70.2159, 88.3073, 57.6002



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.3334, 83.6129, 75.8395

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.2159, 88.3073, 57.6002 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(208, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 182)  
}
```

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(208, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 70.2159, 88.3073, 57.6002 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(208, 255, 182) }
```



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

```
.border{ border-color:rgb(208, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.2159, 88.3073, 57.6002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 182) }
```

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

```
.background{ background-color: rgb(208,  
255, 182) }
```

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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