

# Converting Colors

XYZ(69.8880, 88.1325, 57.8432)

Have a look what the booklet for  
XYZ(69.8880, 88.1325, 57.8432)  
contains.

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# Color

**XYZ(69.9356, 88.1628,  
57.5871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFFB6
RGB	207, 255, 182
RGB Percent	81%, 100%, 71%
CMY	0.1882, 0.0000, 0.2863
CMYK	0.19, 0.00, 0.29, 0.00
HSL	99°, 100%, 86%
HSV	99°, 29%, 100%
XYZ	69.9356, 88.1628, 57.5871
YIQ	232.3260, -5.1750, -32.8790

# Conversions

## Conversions Part 2

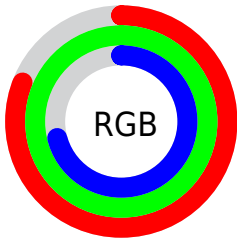
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 255, 230
Decimal	13631414
CIELab	95.23, -28.04, 30.03
CIElCh	95, 41.091, 133.035
Yxy	88.1628, 0.3242, 0.4088
Android (android.graphics.Color)	4291821494 (0xFFCFFFB6)
YUV	232.3260, -24.8107, -22.2109
Hunter-Lab	93.8950, -31.3647, 29.3632

# Details

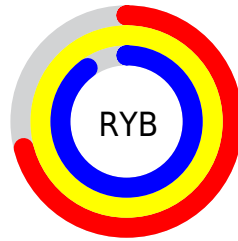
The XYZ color **69.9356, 88.1628, 57.5871** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.4121, 57.5002, 102.1534**, and the grayscale version is **77.1284, 81.1450, 88.3669**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **37.1054, 48.6485, 28.2033** is the 20% darker color. If you saturate the color by 10%, you get **63.0969, 84.9146, 44.7406**, and if you desaturate by 10%, it is **77.7527, 91.8599, 72.9868**.

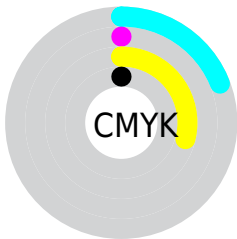
# Distribution



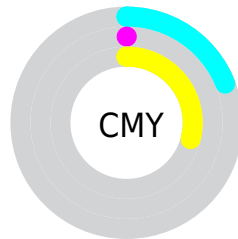
- Red (81%)
- Green (100%)
- Blue (71%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9356, 88.1628, 57.5871 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 69.9356, 88.1628, 57.5871 by changing the saturation by 10% instead.





 69.9356, 88.1628,  
57.5871

 69.9356, 88.1628,  
57.5871


449.5938,  
522.0362, 433.2008

 51.7534, 66.4579,  
41.0643


 118.1437,  
144.7838, 102.8302

 37.0321, 48.6442,  
28.0492


148.9003,  
180.4687, 132.3875

 25.4061, 34.3373,  
18.1234


184.5791,  
221.5823, 167.1268

 16.5102, 23.1529,  
10.8683

225.5455,  
268.5092, 207.4665

 9.9790, 14.7064,  
5.8653

272.1648,  
321.6336, 253.8252

 5.4472, 8.6136,  
2.6959

324.8024,

 2.5494, 4.4900,

381.3400, 306.6215

0.9413

383.8236,  
448.0127, 366.2738

■ 0.9202, 1.9513,  
0.0000

■ 0.0000, 0.5789,  
0.0000

■ 69.9356, 88.1628,  
57.5871

■ 69.9356, 88.1628,  
57.5871

■ 63.0969, 84.9146,  
44.7406

■ 77.7527, 91.8599,  
72.9868

■ 57.1937, 82.0962,  
34.3053

■ 86.5856, 96.0225,  
91.0632

■ 52.1816, 79.6881,  
26.1315

95.0500, 100.0000,  
108.9000

■ 48.0116, 77.6687,  
20.0510

■ 44.6295, 76.0141,  
15.8722

■ 41.9728, 74.6972,  
13.3684

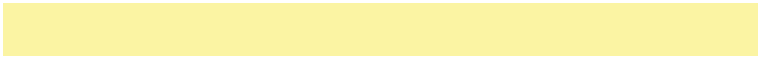
■ 39.9596, 73.6828,  
12.2167

■ 39.7210, 73.5619,  
12.1054

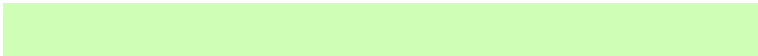
# Harmonies

## Analogous

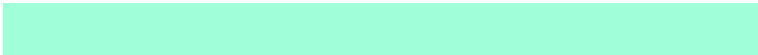
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0298, 88.1628, 47.5550



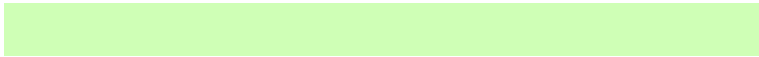
69.9356, 88.1628, 57.5871



64.8313, 88.1628, 79.0922

# Triad

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



69.9356, 88.1628, 57.5871



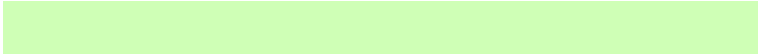
77.6654, 88.1628, 167.9360



106.5879, 88.1628, 82.7384

# Complementary

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



69.9356, 88.1628, 57.5871



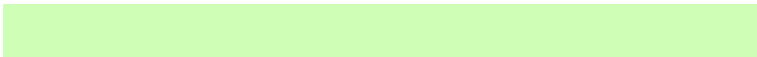
67.4121, 57.5002, 102.1534

# Split Complementary

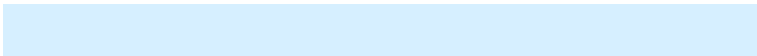
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.1396, 88.1628, 115.1477



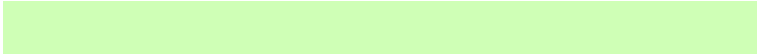
69.9356, 88.1628, 57.5871



88.7503, 88.1628, 169.5308

# Square

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



69.9356, 88.1628, 57.5871



69.0137, 88.1628, 144.5625



99.3766, 88.1628, 148.5287

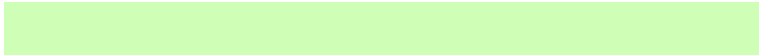


100.5516, 88.1628, 59.7413



# Rectangle

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



69.9356, 88.1628, 57.5871



64.0697, 88.1628, 99.2990



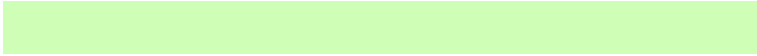
99.3766, 88.1628, 148.5287



107.2054, 88.1628, 92.7638

# Sweetspot

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



69.9361, 88.1630, 57.5884



86.2370, 95.8584, 90.3385



77.8280, 80.9260, 55.7756



18.1706, 20.3822, 18.7398



0.0000, 0.0000, 0.0000

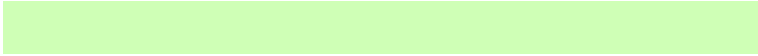


20.3446, 21.4041, 23.3091

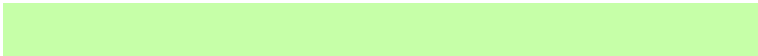


# Same Dimension

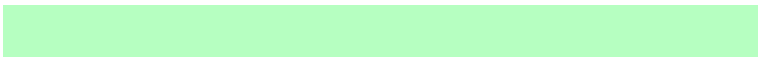
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9361, 88.1630, 57.5884



66.1421, 86.3629, 50.3761



64.6723, 85.3135, 63.4826



18.3580, 20.4705, 19.1280



20.8982, 38.5115, 6.3320



2.1465, 3.8073, 0.6218



# Inverse Universe

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



67.4121, 57.5002, 102.1534



63.2559, 51.3935, 101.1937



74.3052, 61.2516, 93.5345



18.1532, 17.9707, 22.7619



17.9997, 8.1897, 50.0667

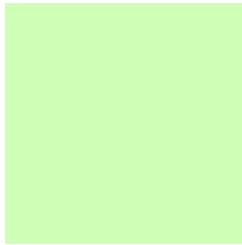


1.8698, 0.8579, 4.8803



# Previews

## White Background



This preview shows how the XYZ color 69.9356, 88.1628, 57.5871 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 69.9356, 88.1628, 57.5871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

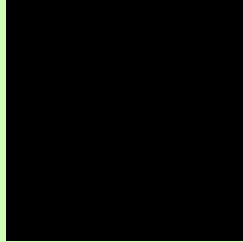
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

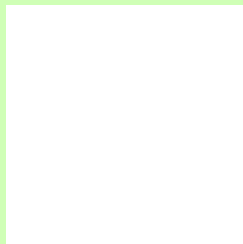
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.9356, 88.1628, 57.5871**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.9356, 88.1628, 57.5871.



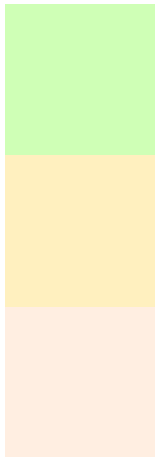
This preview shows how white text looks on a background with the XYZ color 69.9356, 88.1628,



# 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

69.9356, 88.1628, 57.5871

### Protanopia

81.8041, 87.3418, 61.8373

### Deuteranopia

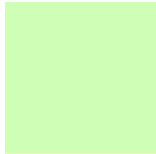
85.4051, 87.8453, 83.6887



## **Tritanopia**

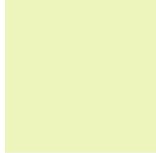
82.0955, 87.8152, 107.2309

# Trichromacy



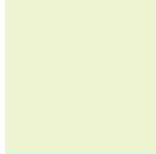
## Original Color

69.9356, 88.1628, 57.5871



## Protanomaly

76.9894, 87.1128, 60.3336



## Deuteranomaly

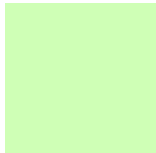
79.1192, 87.4820, 73.0373



## Tritanomaly

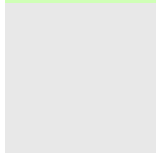
76.7796, 87.3386, 86.2101

# Monochromacy



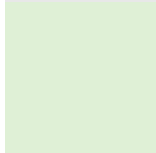
## Original Color

69.9356, 88.1628, 57.5871



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.7291, 82.8632, 75.7266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9356, 88.1628, 57.5871 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(207, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9356, 88.1628, 57.5871 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(207, 255, 182) }
```



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

```
.border{ border-color:rgb(207, 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(207, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9356, 88.1628, 57.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 182) }
```

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

```
.background{ background-color: rgb(207,  
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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