

# Converting Colors

XYZ(70.6928, 85.9755, 65.9456)

Have a look what the booklet for  
XYZ(70.6928, 85.9755, 65.9456)  
contains.

<b>XYZ(70.5581, 85.9577, 65.6960)</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(70.5581, 85.9577,  
65.6960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FAC5
RGB	209, 250, 197
RGB Percent	82%, 98%, 77%
CMY	0.1804, 0.0196, 0.2274
CMYK	0.16, 0.00, 0.21, 0.02
HSL	106°, 84%, 88%
HSV	106°, 21%, 98%
XYZ	70.5581, 85.9577, 65.6960
YIQ	231.6990, -7.4230, -25.1750

# Conversions

## Conversions Part 2

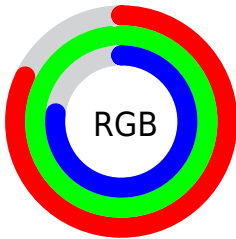
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 250, 238
Decimal	13761221
CIELab	94.29, -22.68, 21.16
CIELCh	94, 31.016, 136.979
Yxy	85.9577, 0.3175, 0.3868
Android (android.graphics.Color)	4291951301 (0xFFD1FAC5)
YUV	231.6990, -17.1066, -19.9070
Hunter-Lab	92.7134, -26.4037, 22.8869

# Details

The XYZ color **70.5581, 85.9577, 65.6960** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.4850, 65.0142, 99.1756**, and the grayscale version is **76.6064, 80.5959, 87.7689**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **37.3543, 46.9931, 33.0884** is the 20% darker color. If you saturate the color by 10%, you get **62.7842, 82.2567, 51.5986**, and if you desaturate by 10%, it is **79.4760, 90.1987, 82.3304**.

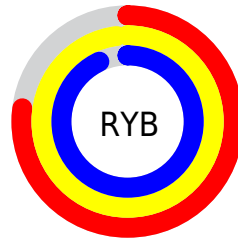
# Distribution



Red (82%)

Green (98%)

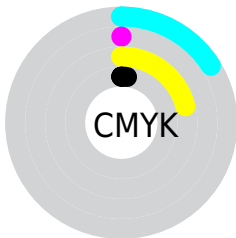
Blue (77%)



Red (77%)

Yellow (98%)

Blue (93%)

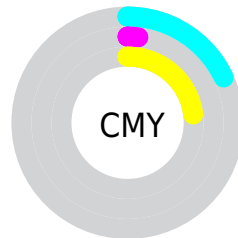


Cyan (16%)

Magenta (0%)

Yellow (21%)

Black (2%)



Cyan (18%)

Magenta (2%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5581, 85.9577, 65.6960 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 70.5581, 85.9577, 65.6960 by changing the saturation by 10% instead.



70.5581, 85.9577,  
65.6960

70.5581, 85.9577,  
65.6960

451.7431,  
514.7917, 463.6634

52.2629, 64.6330,  
47.5707

119.0262,  
141.7105, 114.6727

37.4398, 47.1635,  
33.1295

149.9299,  
176.9073, 146.3613

25.7234, 33.1650,  
21.9537

185.7670,  
217.4970, 183.4080

16.7484, 22.2529,  
13.6249

226.9031,  
263.8639, 226.2315

10.1495, 14.0428,  
7.7245

273.7033,  
316.3924, 275.2502

5.5612, 8.1504,  
3.8339

326.5332,

2.6183, 4.1914,

375.4670, 330.8828

1.5347

385.7580,  
441.4719, 393.5476

■ 0.9553, 1.7812,  
0.2436

■ 0.0000, 0.4754,  
0.0000

■ 70.5581, 85.9577,  
65.6960

■ 70.5581, 85.9577,  
65.6960

■ 62.7842, 82.2567,  
51.5986

■ 79.4760, 90.1987,  
82.3304

■ 56.1005, 79.0629,  
39.9080

■ 89.5754, 94.9888,  
101.6118

■ 50.4586, 76.3570,  
30.4914

■ 93.4773, 96.8546,  
108.3758

■ 45.8041, 74.1140,  
23.2006

■ 42.0769, 72.3067,  
17.8697

■ 39.2101, 70.9047,  
14.3086

■ 37.1266, 69.8731,  
12.2891

■ 35.8517, 69.2327,  
11.4737

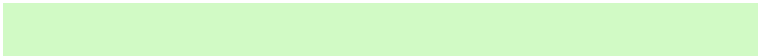
# Harmonies

## Analogous

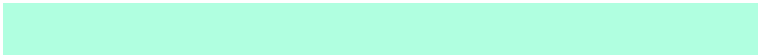
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1190, 85.9577, 56.2705



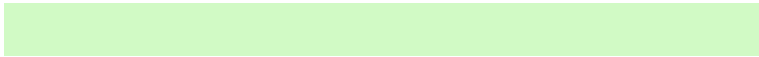
70.5581, 85.9577, 65.6960



67.0899, 85.9577, 83.6495

# Triad

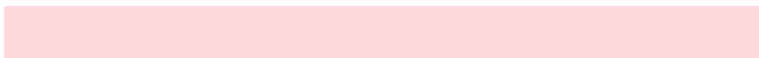
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5581, 85.9577, 65.6960



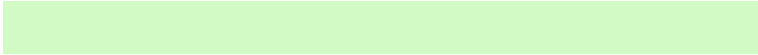
78.1500, 85.9577, 145.6781



97.9681, 85.9577, 80.8467

# Complementary

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



70.5581, 85.9577, 65.6960



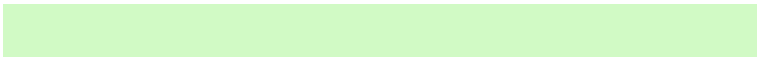
72.4850, 65.0142, 99.1756

# 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.



98.2911, 85.9577, 104.2955



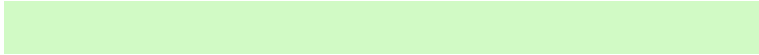
70.5581, 85.9577, 65.6960



86.4594, 85.9577, 144.5814

# Square

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



70.5581, 85.9577, 65.6960



71.2687, 85.9577, 131.2264



93.9576, 85.9577, 128.4446

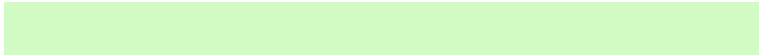


93.1030, 85.9577, 63.9454

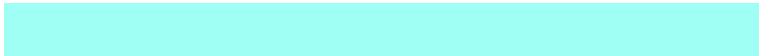


# Rectangle

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



70.5581, 85.9577, 65.6960



66.8336, 85.9577, 99.2688



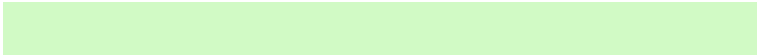
93.9576, 85.9577, 128.4446



98.6225, 85.9577, 88.1384

# Sweetspot

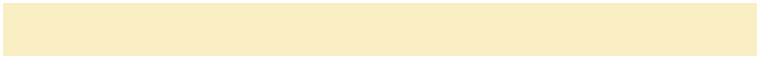
The Sweet Spot groups the original color and five complimentary colors.



70.5604, 85.9614, 65.6979



88.4623, 96.8773, 96.2413



79.9738, 85.2948, 65.0731



18.7870, 20.6657, 20.3179



0.0000, 0.0000, 0.0000

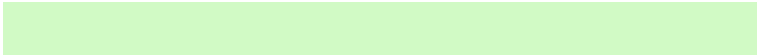


20.3446, 21.4041, 23.3091

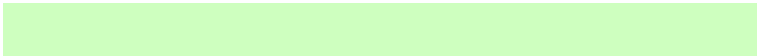


# Same Dimension

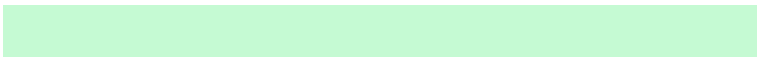
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5604, 85.9614, 65.6979



70.5568, 88.3689, 62.7728



68.9888, 84.9552, 74.4796



17.3849, 19.4987, 18.3097



19.1176, 36.7738, 6.0904



1.8583, 3.4511, 0.5682



# Inverse Universe

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



72.4850, 65.0142, 99.1756



72.8638, 63.2156, 102.9692



74.5147, 66.3071, 88.1300



17.5862, 17.3148, 21.8005



21.0037, 9.7705, 48.7524

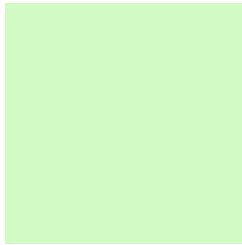


2.0360, 0.9517, 4.5196



# Previews

## White Background



This preview shows how the XYZ color 70.5581, 85.9577, 65.6960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

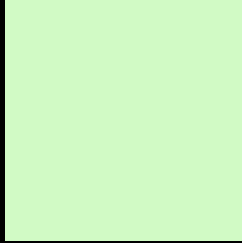
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5581, 85.9577, 65.6960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

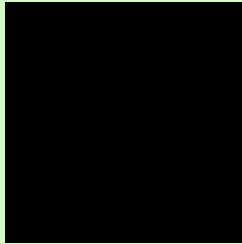
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

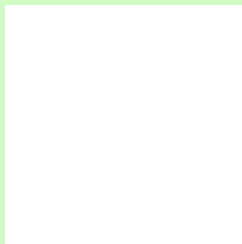
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.5581, 85.9577, 65.6960**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5581, 85.9577, 65.6960.



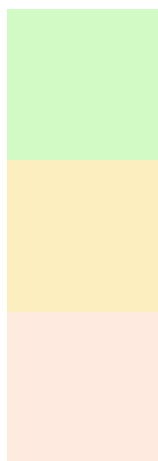
This preview shows how white text looks on a background with the XYZ color 70.5581, 85.9577,



# 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

70.5581, 85.9577, 65.6960

### Protanopia

80.4865, 85.7933, 61.6079

### Deuteranopia

83.9821, 85.4334, 81.8760



## Tritanopia

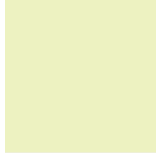
80.2458, 85.9779, 106.9737

# Trichromacy



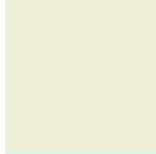
## Original Color

70.5581, 85.9577, 65.6960



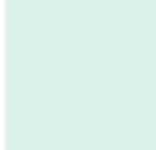
## Protanomaly

76.3028, 85.3590, 62.9064



## Deuteranomaly

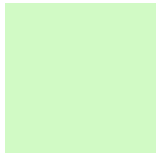
78.5576, 85.3524, 75.9526



## Tritanomaly

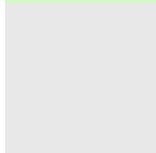
76.4154, 85.7019, 90.3565

# Monochromacy



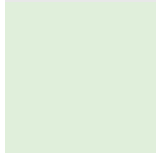
## Original Color

70.5581, 85.9577, 65.6960



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.3932, 82.6948, 79.0586

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5581, 85.9577, 65.6960 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(209, 250, 197)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 197)  
}
```

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(209, 250, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5581, 85.9577, 65.6960 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(209, 250, 197) }
```



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

```
.border{ border-color:rgb(209, 250, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 250, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 250, 197); box-shadow:4px 4px 4px 4px rgb(209, 250, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5581, 85.9577, 65.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 197) }
```

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

```
.background{ background-color: rgb(209,  
250, 197) }
```

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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