

# Converting Colors

XYZ(65.7006, 86.4125, 37.8284)

Have a look what the booklet for  
XYZ(65.7006, 86.4125, 37.8284)  
contains.

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# Color

**XYZ(65.5970, 86.3632,  
37.6385)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDFE8B
RGB	205, 255, 139
RGB Percent	80%, 100%, 55%
CMY	0.1961, 0.0000, 0.4549
CMYK	0.20, 0.00, 0.45, 0.00
HSL	86°, 100%, 77%
HSV	86°, 45%, 100%
XYZ	65.5970, 86.3632, 37.6385
YIQ	226.8260, 7.4360, -46.6760

# Conversions

## Conversions Part 2

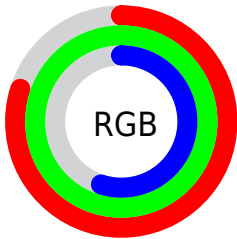
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 255, 189
Decimal	13500299
CIELab	94.47, -34.29, 50.10
CIELCh	94, 60.710, 124.392
Yxy	86.3632, 0.3460, 0.4555
Android (android.graphics.Color)	4291690379 (0xFFCDDFF8B)
YUV	226.8260, -43.2982, -19.1414
Hunter-Lab	92.9318, -36.6343, 41.0391

# Details

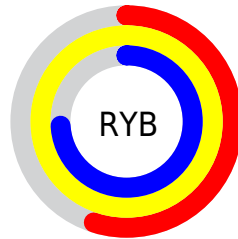
The XYZ color **65.5970, 86.3632, 37.6385** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.2701, 36.5054, 99.1099**, and the grayscale version is **73.1876, 76.9991, 83.8520**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **34.2682, 47.4496, 16.1567** is the 20% darker color. If you saturate the color by 10%, you get **61.0193, 84.1941, 28.8067**, and if you desaturate by 10%, it is **70.8228, 88.8162, 48.7711**.

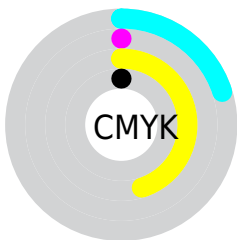
# Distribution



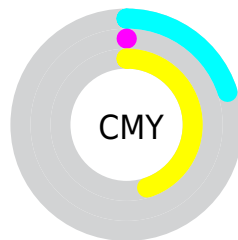
- Red (80%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5970, 86.3632, 37.6385 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 65.5970, 86.3632, 37.6385 by changing the saturation by 10% instead.





 65.5970, 86.3632,  
37.6385

 65.5970, 86.3632,  
37.6385


434.4456,  
516.1281, 351.3183

 48.2118, 64.9684,  
25.4026

 111.9687,  
142.2762, 72.7510

 34.2066, 47.4354,  
16.1555


 141.6859,  
177.5632, 96.4646

 23.2160, 33.3800,  
9.4787


 176.2445,  
218.2496, 124.8413

 14.8747, 22.4177,  
4.9537

216.0098,  
264.7200, 158.2994

 8.8172, 14.1641,  
2.1618

261.3472,  
317.3586, 197.2577

 4.6783, 8.2349,  
0.6522

312.6221,

 2.0926, 4.2456,

376.5499, 242.1345

0.0000

370.1998,  
442.6782, 293.3485

0.6852, 1.8119,  
0.0000

0.0000, 0.4946,  
0.0000

65.5970, 86.3632,  
37.6385

65.5970, 86.3632,  
37.6385

61.0193, 84.1941,  
28.8067

70.8228, 88.8162,  
48.7711

57.0540, 82.2940,  
22.1105

76.7279, 91.5660,  
62.3470

53.6621, 80.6468,  
17.3683

83.3420, 94.6250,  
78.5013

50.7986, 79.2341,  
14.3669

90.6927, 98.0047,  
97.3583

■ 48.4087, 78.0333, 95.0500, 100.0000,  
12.8426 108.9000

■ 47.4517, 77.5473,  
12.4672

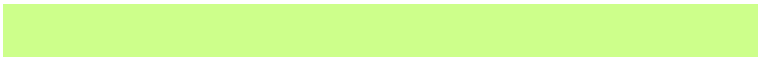
# Harmonies

## Analogous

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



79.7046, 86.3632, 29.8532



65.5970, 86.3632, 37.6385



56.9024, 86.3632, 60.2780

# Triad

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



65.5970, 86.3632, 37.6385



69.2491, 86.3632, 200.6656



117.5400, 86.3632, 87.3155

# Complementary

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



65.5970, 86.3632, 37.6385



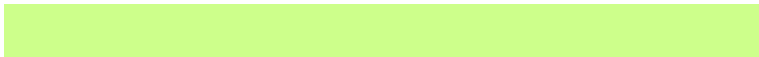
48.2701, 36.5054, 99.1099

# 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.



113.7798, 86.3632, 138.5006



65.5970, 86.3632, 37.6385



84.5136, 86.3632, 215.2062

# Square

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



65.5970, 86.3632, 37.6385



58.8065, 86.3632, 154.5212



101.1288, 86.3632, 189.4669

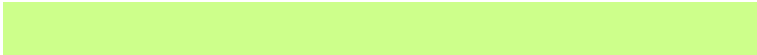


110.8168, 86.3632, 51.8387



# Rectangle

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



65.5970, 86.3632, 37.6385



54.6352, 86.3632, 85.5183



101.1288, 86.3632, 189.4669



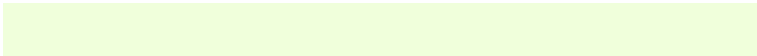
117.4663, 86.3632, 103.0989

# Sweetspot

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



65.5973, 86.3633, 37.6397



84.3892, 95.1077, 81.1349



63.7419, 58.8072, 32.4187



17.7391, 20.2078, 16.5535



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

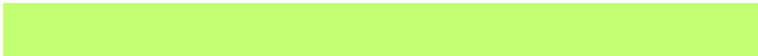


# Same Dimension

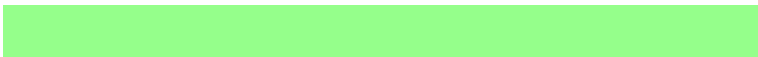
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5973, 86.3633, 37.6397



61.2286, 84.2937, 29.1876



52.7546, 79.7427, 37.0387



18.7609, 20.6782, 19.1468



24.9690, 40.6101, 6.5225



2.5564, 4.0186, 0.6409



# Inverse Universe

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



48.2701, 36.5054, 99.1099



41.8773, 28.5621, 97.9136



65.0558, 45.1587, 99.8954



17.7456, 17.7606, 22.7428



12.9494, 5.5861, 49.8303

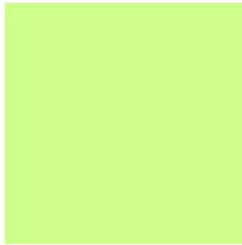


1.3831, 0.6069, 4.8575



# Previews

## White Background



This preview shows how the XYZ color 65.5970, 86.3632, 37.6385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

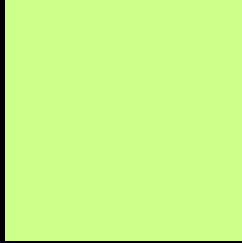
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.5970, 86.3632, 37.6385 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

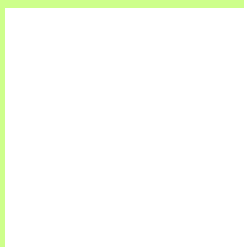
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.5970, 86.3632, 37.6385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.5970, 86.3632, 37.6385.



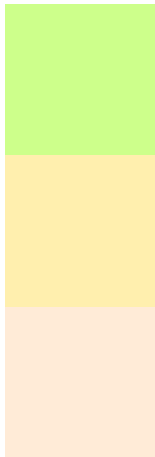
This preview shows how white text looks on a background with the XYZ color 65.5970, 86.3632, 37.6385.



# 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

65.5970, 86.3632, 37.6385

### Protanopia

79.7465, 86.0490, 52.4504

### Deuteranopia

83.2141, 85.5830, 76.4233



## Tritanopia

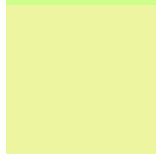
80.5741, 85.7089, 106.9045

# Trichromacy



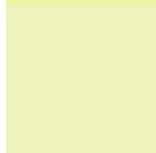
## Original Color

65.5970, 86.3632, 37.6385



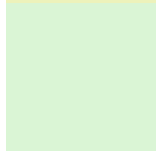
## Protanomaly

74.0105, 85.8825, 46.3944



## Deuteranomaly

75.6468, 85.0966, 59.4520



## Tritanomaly

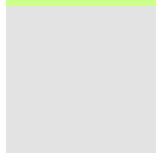
73.5761, 85.0143, 75.4823

# Monochromacy



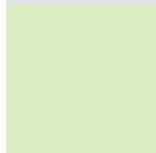
## Original Color

65.5970, 86.3632, 37.6385



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.3479, 79.5686, 63.3330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.5970, 86.3632, 37.6385 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 65.5970, 86.3632, 37.6385 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, 139) }
```



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

```
.border{ border-color:rgb(205, 255, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.5970, 86.3632, 37.6385 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, 139) }
```

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

```
.background{ background-color: rgb(205,  
255, 139) }
```

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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