

# Converting Colors

XYZ(65.3060, 86.4370, 22.9959)

Have a look what the booklet for  
XYZ(65.3060, 86.4370, 22.9959)  
contains.

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# Color

**XYZ(65.3370, 86.5543,  
22.9359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FF5A
RGB	214, 255, 90
RGB Percent	84%, 100%, 35%
CMY	0.1608, 0.0000, 0.6470
CMYK	0.16, 0.00, 0.65, 0.00
HSL	75°, 100%, 68%
HSV	75°, 65%, 100%
XYZ	65.3370, 86.5543, 22.9359
YIQ	223.9310, 28.5290, -60.0070

# Conversions

## Conversions Part 2

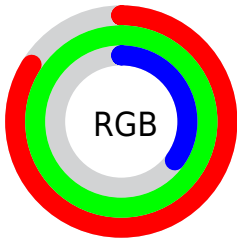
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 255, 131
Decimal	14090074
CIELab	94.55, -35.23, 71.60
CIElCh	95, 79.798, 116.197
Yxy	86.5543, 0.3737, 0.4951
Android (android.graphics.Color)	4292280154 (0xFFD6FF5A)
YUV	223.9310, -66.0280, -8.7095
Hunter-Lab	93.0346, -37.4522, 50.5074

# Details

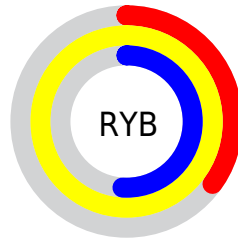
The XYZ color **65.3370, 86.5543, 22.9359** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **31.0676, 19.3590, 96.7070**, and the grayscale version is **71.2445, 74.9548, 81.6258**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **34.0590, 47.5179, 8.1874** is the 20% darker color. If you saturate the color by 10%, you get **62.6176, 85.2570, 18.0822**, and if you desaturate by 10%, it is **68.5007, 88.0376, 29.7551**.

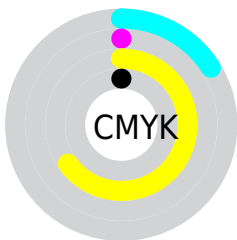
# Distribution



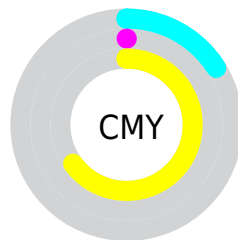
- Red (84%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (51%)



- Cyan (16%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3370, 86.5543, 22.9359 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 65.3370, 86.5543, 22.9359 by changing the saturation by 10% instead.



65.3370, 86.5543,  
22.9359

65.3370, 86.5543,  
22.9359

433.5281,  
516.7572, 280.5068

48.0001, 65.1264,  
14.3413

111.5972,  
142.5427, 49.2099

34.0382, 47.5636,  
8.2170

141.2513,  
177.8721, 67.7264

23.0860, 33.4814,  
4.1443

175.7418,  
218.6041, 90.3874

14.7781, 22.4955,  
1.7049

215.4340,  
265.1231, 117.6112

8.7491, 14.2214,  
0.3641

260.6935,  
317.8135, 149.8166

4.6337, 8.2748,  
0.0000

311.8854,

2.0665, 4.2713,

377.0597, 187.4219

0.0000

369.3751,  
443.2462, 230.8458

0.6709, 1.8265,  
0.0000

0.0000, 0.5036,  
0.0000

65.3370, 86.5543,  
22.9359

65.3370, 86.5543,  
22.9359

62.6176, 85.2570,  
18.0822

68.5007, 88.0376,  
29.7551

60.3015, 84.1293,  
14.9803

72.1436, 89.7210,  
38.7169

58.3389, 83.1511,  
13.3731

76.2968, 91.6170,  
49.9825

57.4055, 82.6787,  
12.9330

80.9886, 93.7370,  
63.6968

86.2451, 96.0916,  
79.9927

92.0904, 98.6905,  
98.9938

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



85.0390, 86.5543, 18.6036



65.3370, 86.5543, 22.9359



52.4807, 86.5543, 42.5378

# Triad

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



65.3370, 86.5543, 22.9359



61.3492, 86.5543, 230.7880



130.7819, 86.5543, 102.3135

# Complementary

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



65.3370, 86.5543, 22.9359



31.0676, 19.3590, 96.7070

# 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.



121.6122, 86.5543, 176.6245



65.3370, 86.5543, 22.9359



79.5564, 86.5543, 268.5591

# Square

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



65.3370, 86.5543, 22.9359



50.4754, 86.5543, 156.7509



101.8954, 86.5543, 245.3468



125.2042, 86.5543, 51.0509



# Rectangle

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



65.3370, 86.5543, 22.9359



48.3037, 86.5543, 68.7294



101.8954, 86.5543, 245.3468



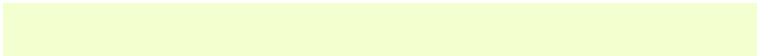
129.2858, 86.5543, 125.3981

# Sweetspot

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



65.3371, 86.5543, 22.9371



83.9160, 95.0506, 72.6672



50.8708, 37.5685, 14.2443



17.6423, 20.2017, 14.5681



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.



65.3371, 86.5543, 22.9371



61.8118, 84.8674, 16.8774



47.4378, 77.3269, 22.0994



19.0945, 20.8501, 19.1624



30.1390, 43.2753, 6.7645



3.0339, 4.2648, 0.6633



# Inverse Universe

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



31.0676, 19.3590, 96.7070



25.3567, 13.0932, 95.7985



48.5710, 28.3823, 97.5261



17.4258, 17.5957, 22.7278



10.6281, 4.3895, 49.7217

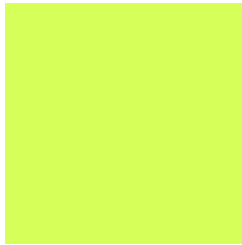


1.1293, 0.4761, 4.8456



# Previews

## White Background



This preview shows how the XYZ color 65.3370, 86.5543, 22.9359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

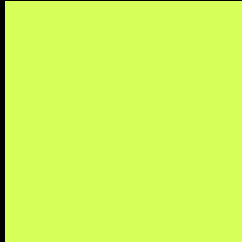
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3370, 86.5543, 22.9359 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 65.3370, 86.5543, 22.9359**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.3370, 86.5543, 22.9359.



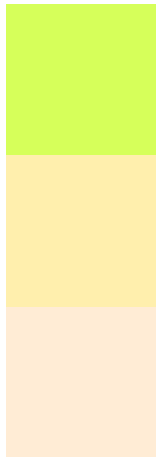
This preview shows how white text looks on a background with the XYZ color 65.3370, 86.5543,



# 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

65.3370, 86.5543, 22.9359

### Protanopia

79.6493, 86.0101, 51.9388

### Deuteranopia

83.2457, 86.0550, 75.1735



## Tritanopia

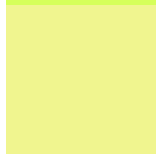
82.5208, 86.2766, 106.9115

# Trichromacy



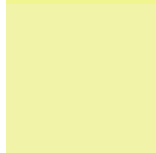
## Original Color

65.3370, 86.5543, 22.9359



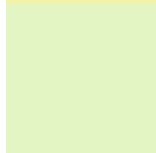
## Protanomaly

73.5455, 85.8133, 38.6740



## Deuteranomaly

75.0537, 85.4536, 49.5842



## Tritanomaly

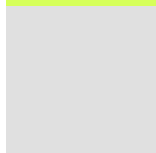
73.8668, 85.4137, 64.2231

# Monochromacy



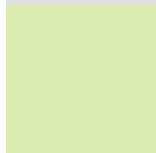
## Original Color

65.3370, 86.5543, 22.9359



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

66.9614, 77.7275, 52.0311

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3370, 86.5543, 22.9359 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(214, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 90)  
}
```

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(214, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3370, 86.5543, 22.9359 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(214, 255, 90) }
```



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

```
.border{ border-color:rgb(214, 255, 90) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3370, 86.5543, 22.9359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 90) }
```

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

```
.background{ background-color: rgb(214,  
255, 90) }
```

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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