

# Converting Colors

XYZ(65.4412, 86.6295, 21.9712)

Have a look what the booklet for  
XYZ(65.4412, 86.6295, 21.9712)  
contains.

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# Color

**XYZ(65.4640, 86.6390,  
22.0768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7FF56
RGB	215, 255, 86
RGB Percent	84%, 100%, 34%
CMY	0.1569, 0.0000, 0.6627
CMYK	0.16, 0.00, 0.66, 0.00
HSL	74°, 100%, 67%
HSV	74°, 66%, 100%
XYZ	65.4640, 86.6390, 22.0768
YIQ	223.7740, 30.4090, -61.0390

# Conversions

## Conversions Part 2

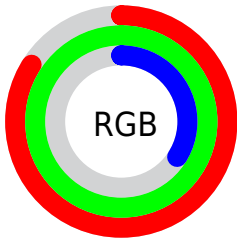
Format	Color
RYP	86, 255, 126
Decimal	14155606
CIELab	94.58, -35.10, 73.17
CIELCh	95, 81.150, 115.626
Yxy	86.6390, 0.3758, 0.4974
Android (android.graphics.Color)	4292345686 (0xFFD7FF56)
YUV	223.7740, -67.9226, -7.6948
Hunter-Lab	93.0801, -37.3496, 51.0936

# Details

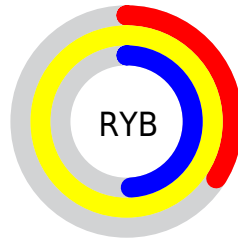
The XYZ color **65.4640, 86.6390, 22.0768** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **29.9834, 18.3126, 96.5621**, and the grayscale version is **71.1442, 74.8492, 81.5108**.

A 20% lighter version of the original color is **81.9579, 94.7632, 39.9581**, and **34.1714, 47.5853, 7.7646** is the 20% darker color. If you saturate the color by 10%, you get **62.8732, 85.4016, 17.5158**, and if you desaturate by 10%, it is **68.4866, 88.0565, 28.5723**.

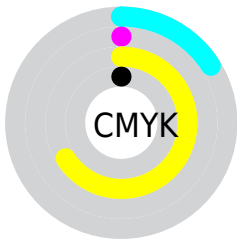
# Distribution



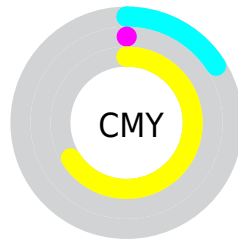
- Red (84%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (49%)



- Cyan (16%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4640, 86.6390, 22.0768 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 65.4640, 86.6390, 22.0768 by changing the saturation by 10% instead.





 65.4640, 86.6390,  
22.0768


 65.4640, 86.6390,  
22.0768


433.9764,  
517.0359, 275.9137

 48.1035, 65.1965,  
13.7145


 111.7787,  
142.6609, 47.7767


 34.1205, 47.6204,  
7.7859


 141.4636,  
178.0090, 65.9514

 23.1495, 33.5264,  
3.8724


 175.9874,  
218.7612, 88.2339

 14.8252, 22.5300,  
1.5556

 215.7153,  
265.3017, 115.0429

 8.7823, 14.2469,  
0.2589

261.0129,  
318.0151, 146.7968

 4.6554, 8.2926,  
0.0000

312.2453,

 2.0792, 4.2827,

377.2856, 183.9142

0.0000

369.7781,  
443.4978, 226.8137

■ 0.6779, 1.8329,  
0.0000

■ 0.0000, 0.5076,  
0.0000

■ 65.4640, 86.6390,  
22.0768

■ 65.4640, 86.6390,  
22.0768

■ 62.8732, 85.4016,  
17.5158

■ 68.4866, 88.0565,  
28.5723

■ 60.6723, 84.3277,  
14.6697

■ 71.9767, 89.6687,  
37.1833

■ 58.8097, 83.3965,  
13.2705

■ 75.9658, 91.4883,  
48.0738

■ 58.1732, 83.0744,  
12.9689

■ 80.4825, 93.5266,  
61.3907

■ 85.5530, 95.7944,  
77.2689

■ 91.2017, 98.3014,  
95.8330

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.



85.5971, 86.6390, 17.9920



65.4640, 86.6390, 22.0768



52.2832, 86.6390, 41.3617

# Triad

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



65.4640, 86.6390, 22.0768



60.8112, 86.6390, 232.7683



131.8055, 86.6390, 103.8226

# Complementary

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



65.4640, 86.6390, 22.0768



29.9834, 18.3126, 96.5621

# 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.



122.1682, 86.6390, 179.9925



65.4640, 86.6390, 22.0768



79.1817, 86.6390, 272.6162

# Square

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



65.4640, 86.6390, 22.0768



49.9494, 86.6390, 156.6089



101.9103, 86.6390, 249.9482



126.3882, 86.6390, 51.2409



# Rectangle

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



65.4640, 86.6390, 22.0768



47.9555, 86.6390, 67.4813



101.9103, 86.6390, 249.9482



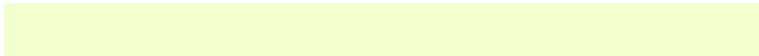
130.1783, 86.6390, 127.5079

# Sweetspot

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



65.4640, 86.6389, 22.0780



83.5965, 94.9216, 71.0424



50.3091, 36.7103, 13.2395



17.5885, 20.1809, 14.2531



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.



65.4640, 86.6389, 22.0780



62.0097, 84.9832, 16.2671



46.8110, 77.0229, 21.2050



19.1163, 20.8614, 19.1634



30.5361, 43.4800, 6.7831



3.0696, 4.2832, 0.6650



# Inverse Universe

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



29.9834, 18.3126, 96.5621



24.4108, 12.2565, 95.6869



47.9380, 27.5686, 97.4024



17.4054, 17.5852, 22.7269



10.5256, 4.3366, 49.7169

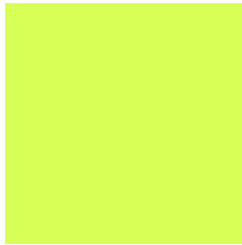


1.1168, 0.4696, 4.8451



# Previews

## White Background



This preview shows how the XYZ color 65.4640, 86.6390, 22.0768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

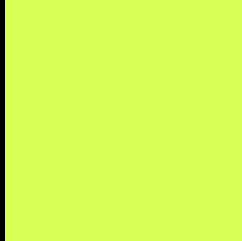
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4640, 86.6390, 22.0768 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 65.4640, 86.6390, 22.0768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.4640, 86.6390, 22.0768.



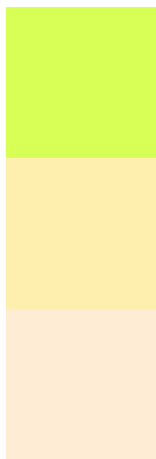
This preview shows how white text looks on a background with the XYZ color 65.4640, 86.6390,



# 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

65.4640, 86.6390, 22.0768

### Protanopia

79.7465, 86.0490, 52.4504

### Deuteranopia

83.2457, 86.0550, 75.1735



## Tritanopia

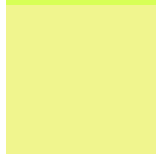
82.5562, 85.8615, 106.8295

# Trichromacy



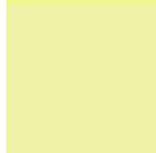
## Original Color

65.4640, 86.6390, 22.0768



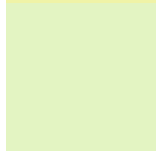
## Protanomaly

73.4701, 85.7831, 38.2767



## Deuteranomaly

74.9608, 85.4165, 49.0954



## Tritanomaly

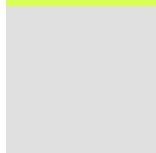
73.7668, 84.9273, 63.5436

# Monochromacy



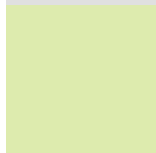
## Original Color

65.4640, 86.6390, 22.0768



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

67.1671, 77.8448, 51.5299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4640, 86.6390, 22.0768 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(215, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 86)  
}
```

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(215, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 86) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4640, 86.6390, 22.0768 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(215, 255, 86) }
```



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

```
.border{ border-color:rgb(215, 255, 86) }
```

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

Here you see how a box with a 4 pixel rgb(215, 255, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
86) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4640, 86.6390, 22.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 86) }
```

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

```
.background{ background-color: rgb(215,  
255, 86) }
```

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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