

# Converting Colors

XYZ(64.3614, 86.0541, 22.7658)

Have a look what the booklet for  
XYZ(64.3614, 86.0541, 22.7658)  
contains.

<b>XYZ(64.4271, 86.0902, 22.6726)</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(64.4271, 86.0902,  
22.6726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FF59
RGB	211, 255, 89
RGB Percent	83%, 100%, 35%
CMY	0.1726, 0.0000, 0.6510
CMYK	0.17, 0.00, 0.65, 0.00
HSL	76°, 100%, 67%
HSV	76°, 65%, 100%
XYZ	64.4271, 86.0902, 22.6726
YIQ	222.9200, 27.0620, -60.9540

# Conversions

## Conversions Part 2

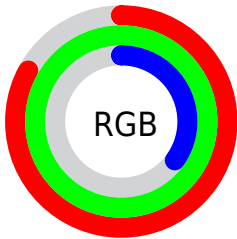
Format	Color
<a href="#">RYB</a>	<a href="#">89, 255, 133</a>
Decimal	<a href="#">13893465</a>
CIELab	<a href="#">94.35, -36.43, 71.72</a>
CIElCh	<a href="#">94, 80.440, 116.931</a>
Yxy	<a href="#">86.0902, 0.3720, 0.4971</a>
Android (android.graphics.Color)	<a href="#">4292083545 (0xFFD3FF59)</a>
YUV	<a href="#">222.9200, -66.0226, -10.4538</a>
Hunter-Lab	<a href="#">92.7848, -38.4281, 50.4614</a>

# Details

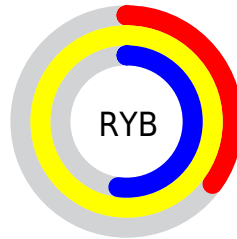
The XYZ color **64.4271, 86.0902, 22.6726** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **31.2967, 19.3527, 96.6937**, and the grayscale version is **70.5228, 74.1954, 80.7988**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **33.4663, 47.2146, 8.0589** is the 20% darker color. If you saturate the color by 10%, you get **61.6390, 84.7559, 17.8878**, and if you desaturate by 10%, it is **67.6674, 87.6147, 29.4157**.

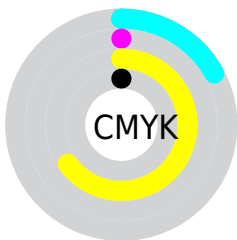
# Distribution



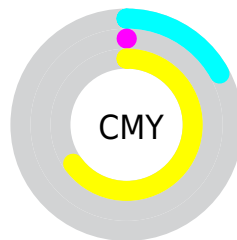
- Red (83%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (52%)



- Cyan (17%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4271, 86.0902, 22.6726 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 64.4271, 86.0902, 22.6726 by changing the saturation by 10% instead.





 64.4271, 86.0902,  
22.6726

 64.4271, 86.0902,  
22.6726


430.3082,  
515.2286, 279.1061


 47.2597, 64.7426,  
14.1489


 110.2961,  
141.8954, 48.7715


 33.4498, 47.2524,  
8.0844


 139.7284,  
177.1217, 67.1839

 22.6321, 33.2352,  
4.0604


 173.9796,  
217.7430, 89.7295

 14.4413, 22.3067,  
1.6586

 213.4152,  
264.1437, 116.8270

 8.5120, 14.0824,  
0.3321

258.4005,  
316.7082, 148.8949

 4.4788, 8.1780,  
0.0000

309.3009,

 1.9764, 4.2091,

375.8210, 186.3516

0.0000

366.4816,  
441.8663, 229.6159

0.6207, 1.7912,  
0.0000

0.0000, 0.4817,  
0.0000

64.4271, 86.0902,  
22.6726

64.4271, 86.0902,  
22.6726

61.6390, 84.7559,  
17.8878

67.6674, 87.6147,  
29.4157

59.2619, 83.5953,  
14.8462

71.3953, 89.3438,  
38.2952

57.2453, 82.5880,  
13.2882

75.6422, 91.2902,  
49.4730

56.3531, 82.1361,  
12.8837

80.4368, 93.4653,  
63.0945

■ 85.8052, 95.8799,  
79.2931

■ 91.7719, 98.5437,  
98.1926

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.



84.0691, 86.0902, 18.0835



64.4271, 86.0902, 22.6726



51.7341, 86.0902, 42.6783

# Triad

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



64.4271, 86.0902, 22.6726



61.1998, 86.0902, 232.8424



130.6757, 86.0902, 100.2486

# Complementary

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



64.4271, 86.0902, 22.6726



31.2967, 19.3527, 96.6937

# 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.



121.7791, 86.0902, 174.7297



64.4271, 86.0902, 22.6726



79.6234, 86.0902, 269.6383

# Square

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



64.4271, 86.0902, 22.6726



50.1139, 86.0902, 158.5560



102.1056, 86.0902, 244.7145



124.6996, 86.0902, 49.5420



# Rectangle

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



64.4271, 86.0902, 22.6726



47.6830, 86.0902, 69.3408



102.1056, 86.0902, 244.7145



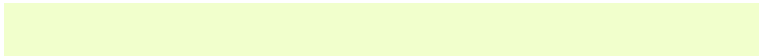
129.2928, 86.0902, 123.2752

# Sweetspot

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



64.4272, 86.0901, 22.6738



83.0992, 94.6652, 71.0192



51.0932, 38.0810, 14.1098



17.4683, 20.1189, 14.2475



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.



64.4272, 86.0901, 22.6738



60.9084, 84.4017, 16.8352



46.8468, 77.0271, 21.8510



19.0638, 20.8343, 19.1610



29.5943, 42.9945, 6.7390



2.9848, 4.2395, 0.6610



# Inverse Universe

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



31.2967, 19.3527, 96.6937



25.7540, 13.2981, 95.8171



49.2091, 28.5869, 97.5320



17.4545, 17.6105, 22.7292



10.7814, 4.4685, 49.7288

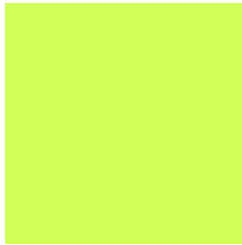


1.1477, 0.4856, 4.8465



# Previews

## White Background



This preview shows how the XYZ color 64.4271, 86.0902, 22.6726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

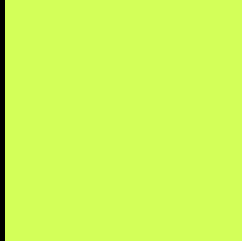
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.4271, 86.0902, 22.6726 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 64.4271, 86.0902, 22.6726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.4271, 86.0902, 22.6726.



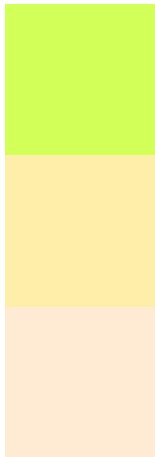
This preview shows how white text looks on a background with the XYZ color 64.4271, 86.0902,



# 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

64.4271, 86.0902, 22.6726

### Protanopia

78.9760, 85.2736, 49.8331

### Deuteranopia

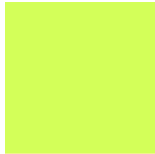
82.8320, 85.4301, 74.4113



## Tritanopia

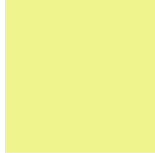
81.8715, 85.9419, 106.8811

# Trichromacy



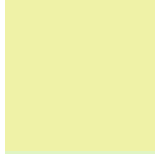
## Original Color

64.4271, 86.0902, 22.6726



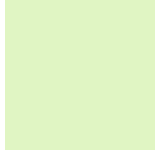
## Protanomaly

72.6809, 84.9455, 37.3764



## Deuteranomaly

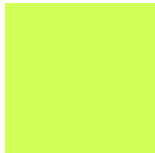
74.3238, 84.6450, 48.9801



## Tritanomaly

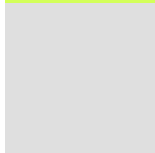
73.2432, 85.0922, 64.1939

# Monochromacy



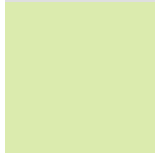
## Original Color

64.4271, 86.0902, 22.6726



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.5617, 77.5327, 51.5015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.4271, 86.0902, 22.6726 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(211, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 89)  
}
```

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(211, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 64.4271, 86.0902, 22.6726 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(211, 255, 89) }
```



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

```
.border{ border-color:rgb(211, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.4271, 86.0902, 22.6726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 89) }
```

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

```
.background{ background-color: rgb(211,  
255, 89) }
```

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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