

# Converting Colors

XYZ(76.1482, 109.4573,  
27.1248)

Have a look what the booklet for  
XYZ(76.1482, 109.4573, 27.1248)  
contains.

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# Color

**XYZ(64.5557, 86.1416,  
23.3498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FF5C
RGB	211, 255, 92
RGB Percent	83%, 100%, 36%
CMY	0.1726, 0.0000, 0.6392
CMYK	0.17, 0.00, 0.64, 0.00
HSL	76°, 100%, 68%
HSV	76°, 64%, 100%
XYZ	64.5557, 86.1416, 23.3498
YIQ	223.2620, 26.0990, -60.0210

# Conversions

## Conversions Part 2

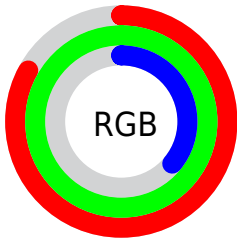
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	92, 255, 136
Decimal	13893468
CIE <sub>Lab</sub>	94.37, -36.24, 70.59
CIE <sub>LCh</sub>	94, 79.343, 117.174
Yxy	86.1416, 0.3709, 0.4949
Android (android.graphics.Color)	4292083548 (0xFFD3FF5C)
YUV	223.2620, -64.7122, -10.7538
Hunter-Lab	92.8125, -38.2663, 50.0526

# Details

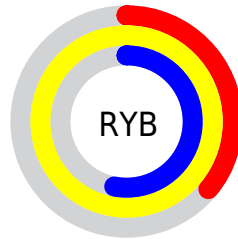
The XYZ color **64.5557, 86.1416, 23.3498** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **32.0319, 20.1100, 96.8011**, and the grayscale version is **70.7581, 74.4431, 81.0685**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **33.5288, 47.2396, 8.3879** is the 20% darker color. If you saturate the color by 10%, you get **61.6919, 84.7730, 18.3440**, and if you desaturate by 10%, it is **67.8792, 87.7037, 30.3367**.

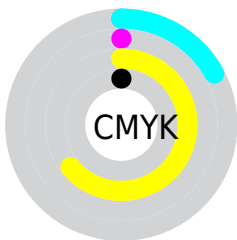
# Distribution



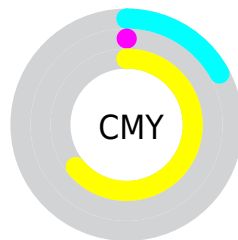
- Red (83%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (53%)



- Cyan (17%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5557, 86.1416, 23.3498 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 64.5557, 86.1416, 23.3498 by changing the saturation by 10% instead.




 64.5557, 86.1416,  
23.3498


 64.5557, 86.1416,  
23.3498


430.7641,  
515.3980, 282.6965

 47.3643, 64.7851,  
14.6443


 110.4801,  
141.9671, 49.8975


 33.5329, 47.2868,  
8.4263


 139.9438,  
177.2048, 68.5768

 22.6962, 33.2625,  
4.2772


 174.2290,  
217.8384, 91.4178

 14.4888, 22.3276,  
1.7786

 213.7009,  
264.2522, 118.8389

 8.5454, 14.0978,  
0.4138

258.7251,  
316.8307, 151.2588

 4.5006, 8.1887,  
0.0000

309.6668,

 1.9890, 4.2159,

375.9582, 189.0961

0.0000

366.8913,  
442.0192, 232.7691

0.6278, 1.7951,  
0.0000

0.0000, 0.4841,  
0.0000

64.5557, 86.1416,  
23.3498

64.5557, 86.1416,  
23.3498

61.6919, 84.7730,  
18.3440

67.8792, 87.7037,  
30.3367

59.2471, 83.5818,  
15.1086

71.6970, 89.4734,  
39.4800

57.1721, 82.5480,  
13.3911

76.0405, 91.4634,  
50.9395

56.0492, 81.9795,  
12.8695

80.9378, 93.6851,  
64.8592

86.4151, 96.1489,  
81.3712

92.4966, 98.8648,  
100.5982

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.



83.9117, 86.1416, 18.6397



64.5557, 86.1416, 23.3498



52.0507, 86.1416, 43.4868

# Triad

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



64.5557, 86.1416, 23.3498



61.6154, 86.1416, 230.9540



129.9836, 86.1416, 99.6984

# Complementary

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



64.5557, 86.1416, 23.3498



32.0319, 20.1100, 96.8011

# 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.



121.3479, 86.1416, 172.8498



64.5557, 86.1416, 23.3498



79.8716, 86.1416, 266.5406

# Square

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



64.5557, 86.1416, 23.3498



50.5714, 86.1416, 158.2215



102.0441, 86.1416, 241.6645



123.9927, 86.1416, 49.7696



# Rectangle

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



64.5557, 86.1416, 23.3498



48.0758, 86.1416, 70.0851



102.0441, 86.1416, 241.6645



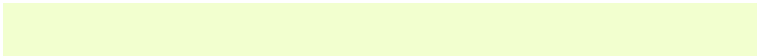
128.6648, 86.1416, 122.3234

# Sweetspot

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



64.5558, 86.1416, 23.3510



83.5583, 94.8663, 72.6505



51.9018, 39.4924, 15.0137



17.5551, 20.1567, 14.5640



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.



64.5558, 86.1416, 23.3510



60.8961, 84.3880, 17.1692



46.9037, 77.0416, 22.5249



19.0548, 20.8297, 19.1606



29.4370, 42.9134, 6.7316



2.9706, 4.2321, 0.6603



# Inverse Universe

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



32.0319, 20.1100, 96.8011



26.2343, 13.7342, 95.8760



50.4833, 29.6220, 97.6646



17.4630, 17.6149, 22.7296



10.8286, 4.4928, 49.7311

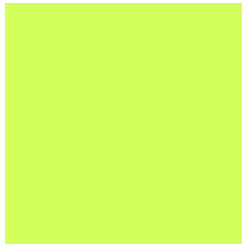


1.1532, 0.4884, 4.8468



# Previews

## White Background



This preview shows how the XYZ color 64.5557, 86.1416, 23.3498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

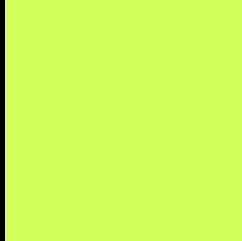
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5557, 86.1416, 23.3498 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 64.5557, 86.1416, 23.3498**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5557, 86.1416, 23.3498.



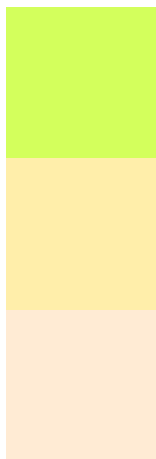
This preview shows how white text looks on a background with the XYZ color 64.5557, 86.1416,



# 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

64.5557, 86.1416, 23.3498

### Protanopia

79.0702, 85.3114, 50.3295

### Deuteranopia

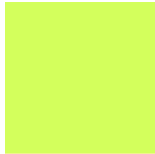
82.8320, 85.4301, 74.4113



## Tritanopia

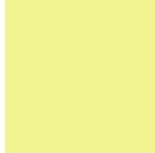
81.8715, 85.9419, 106.8811

# Trichromacy



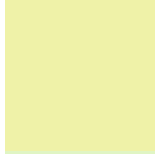
## Original Color

64.5557, 86.1416, 23.3498



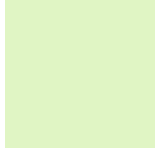
## Protanomaly

72.8298, 85.0051, 38.1603



## Deuteranomaly

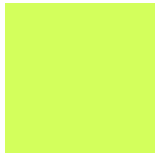
74.4166, 84.6821, 49.4689



## Tritanomaly

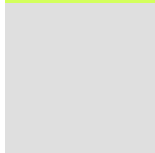
73.3567, 85.1376, 64.7914

# Monochromacy



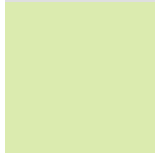
## Original Color

64.5557, 86.1416, 23.3498



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.6596, 77.5719, 52.0170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5557, 86.1416, 23.3498 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5557, 86.1416, 23.3498 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, 92) }
```



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

```
.border{ border-color:rgb(211, 255, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5557, 86.1416, 23.3498 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, 92) }
```

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

```
.background{ background-color: rgb(211,  
255, 92) }
```

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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