

# Converting Colors

XYZ(63.9729, 85.9116, 20.1398)

Have a look what the booklet for  
XYZ(63.9729, 85.9116, 20.1398)  
contains.

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# Color

**XYZ(63.9635, 85.9047,  
20.2312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FF4D
RGB	211, 255, 77
RGB Percent	83%, 100%, 30%
CMY	0.1726, 0.0000, 0.6980
CMYK	0.17, 0.00, 0.70, 0.00
HSL	75°, 100%, 65%
HSV	75°, 70%, 100%
XYZ	63.9635, 85.9047, 20.2312
YIQ	221.5520, 30.9140, -64.6860

# Conversions

## Conversions Part 2

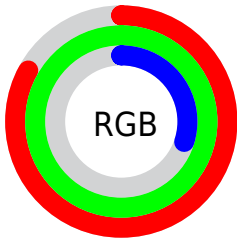
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 255, 121
Decimal	13893453
CIELab	94.27, -37.15, 76.00
CIELCh	94, 84.590, 116.049
Yxy	85.9047, 0.3760, 0.5050
Android (android.graphics.Color)	4292083533 (0xFFD3FF4D)
YUV	221.5520, -71.2641, -9.2541
Hunter-Lab	92.6848, -39.0122, 51.9376

# Details

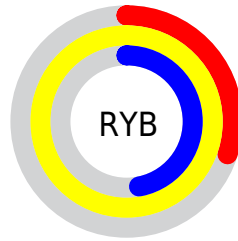
The XYZ color **63.9635, 85.9047, 20.2312** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **28.5904, 16.5941, 96.3038**, and the grayscale version is **69.5861, 73.2100, 79.7257**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **33.1430, 47.0636, 7.3374** is the 20% darker color. If you saturate the color by 10%, you get **61.4617, 84.6994, 16.3001**, and if you desaturate by 10%, it is **66.8889, 87.2876, 26.0252**.

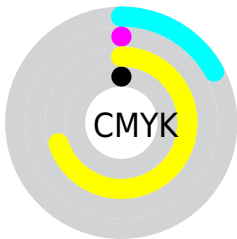
# Distribution



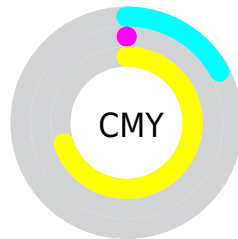
- Red (83%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (47%)



- Cyan (17%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9635, 85.9047, 20.2312 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 63.9635, 85.9047, 20.2312 by changing the saturation by 10% instead.




 63.9635, 85.9047,  
20.2312


 63.9635, 85.9047,  
20.2312


428.6621,  
514.6169, 265.8095

 46.8827, 64.5892,  
12.3775


 109.6324,  
141.6365, 44.6685


 33.1505, 47.1280,  
6.8756


 138.9512,  
176.8215, 62.0892

 22.4015, 33.1369,  
3.3072

 173.0800,  
217.3986, 83.5359

 14.2705, 22.2313,  
1.2535

 212.3842,  
263.7519, 109.4273

 8.3920, 14.0270,  
0.0233

257.2292,  
316.2661, 140.1818

 4.4007, 8.1394,  
0.0000

307.9803,

 1.9312, 4.1843,

375.3253, 176.2180

0.0000

365.0028,  
441.3142, 217.9544

■ 0.5949, 1.7772,  
0.0000

■ 0.0000, 0.4729,  
0.0000

■ 63.9635, 85.9047,  
20.2312

■ 63.9635, 85.9047,  
20.2312

■ 61.4617, 84.6994,  
16.3001

■ 66.8889, 87.2876,  
26.0252

■ 59.3387, 83.6537,  
13.9970

■ 70.2754, 88.8632,  
33.8727

■ 57.5234, 82.7391,  
12.9530

■ 74.1561, 90.6449,  
43.9445

■ 57.4889, 82.7217,  
12.9369

■ 78.5605, 92.6445,  
56.3927

■ 83.5159, 94.8730,  
71.3562

■ 89.0471, 97.3405,  
88.9628

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.



84.6907, 85.9047, 16.0885



63.9635, 85.9047, 20.2312



50.5642, 85.9047, 39.7002

# Triad

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



63.9635, 85.9047, 20.2312



59.6432, 85.9047, 240.0234



133.3181, 85.9047, 102.4050

# Complementary

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



63.9635, 85.9047, 20.2312



28.5904, 16.5941, 96.3038

# 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.



123.4123, 85.9047, 182.0226



63.9635, 85.9047, 20.2312



78.6826, 85.9047, 281.5510

# Square

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



63.9635, 85.9047, 20.2312



48.4130, 85.9047, 159.7707



102.3284, 85.9047, 256.5121



127.4110, 85.9047, 48.7244



# Rectangle

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



63.9635, 85.9047, 20.2312



46.2289, 85.9047, 66.5486



102.3284, 85.9047, 256.5121



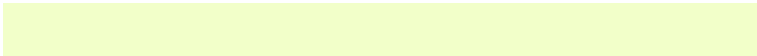
131.6854, 85.9047, 126.9803

# Sweetspot

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



63.9636, 85.9047, 20.2324



82.8920, 94.5935, 69.4258



49.1218, 34.8799, 11.1658



17.4414, 20.1118, 13.9387



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.



63.9636, 85.9047, 20.2324



60.5272, 84.2421, 15.1498



45.4802, 76.3762, 19.3674



19.0968, 20.8514, 19.1625



30.1821, 43.2975, 6.7665



3.0378, 4.2668, 0.6635



# Inverse Universe

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



28.5904, 16.5941, 96.3038



23.4266, 11.1586, 95.5268



46.5862, 25.8712, 97.1460



17.4236, 17.5946, 22.7277



10.6166, 4.3836, 49.7211

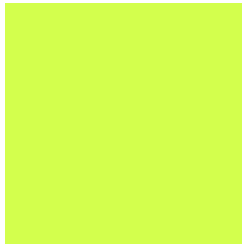


1.1279, 0.4754, 4.8456



# Previews

## White Background



This preview shows how the XYZ color 63.9635, 85.9047, 20.2312 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 63.9635, 85.9047, 20.2312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

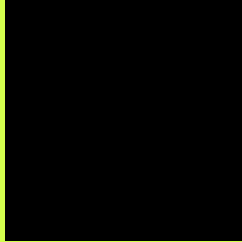
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.9635, 85.9047, 20.2312**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.9635, 85.9047, 20.2312.



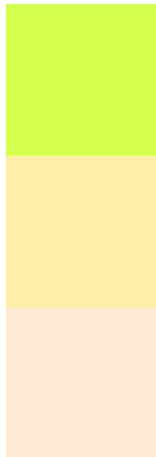
This preview shows how white text looks on a background with the XYZ color 63.9635, 85.9047,



# 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

63.9635, 85.9047, 20.2312

### Protanopia

78.7896, 85.1991, 48.8516

### Deuteranopia

82.7062, 85.3798, 73.7489



## Tritanopia

81.5795, 85.3580, 106.7838

# Trichromacy



## Original Color

63.9635, 85.9047, 20.2312



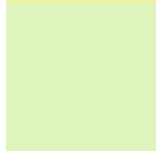
## Protanomaly

72.2504, 84.7733, 35.1091



## Deuteranomaly

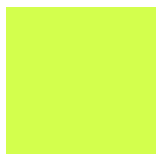
73.8703, 84.4636, 46.5921



## Tritanomaly

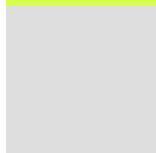
72.3854, 84.2664, 61.1651

# Monochromacy



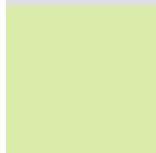
## Original Color

63.9635, 85.9047, 20.2312



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

65.4977, 76.6156, 48.8723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.9635, 85.9047, 20.2312 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 63.9635, 85.9047, 20.2312 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, 77) }
```



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

```
.border{ border-color:rgb(211, 255, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.9635, 85.9047, 20.2312 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, 77) }
```

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

```
.background{ background-color: rgb(211,  
255, 77) }
```

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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