

# Converting Colors

XYZ(67.1557, 87.3442, 29.6915)

Have a look what the booklet for  
XYZ(67.1557, 87.3442, 29.6915)  
contains.

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# Color

**XYZ(67.2313, 87.3799,  
29.8455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FF74
RGB	216, 255, 116
RGB Percent	85%, 100%, 45%
CMY	0.1529, 0.0000, 0.5451
CMYK	0.15, 0.00, 0.55, 0.00
HSL	77°, 100%, 73%
HSV	77°, 55%, 100%
XYZ	67.2313, 87.3799, 29.8455
YIQ	227.4930, 21.3750, -51.4970

# Conversions

## Conversions Part 2

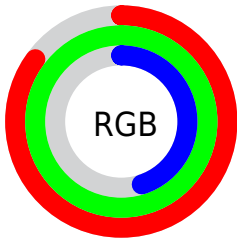
Format	Color
<a href="#">RYB</a>	<a href="#">116, 255, 155</a>
Decimal	<a href="#">14221172</a>
CIELab	<a href="#">94.90, -32.51, 61.29</a>
CIElCh	<a href="#">95, 69.378, 117.947</a>
Yxy	<a href="#">87.3799, 0.3645, 0.4737</a>
Android (android.graphics.Color)	<a href="#">4292411252 (0xFFD8FF74)</a>
YUV	<a href="#">227.4930, -54.9660, -10.0794</a>
Hunter-Lab	<a href="#">93.4772, -35.2032, 46.5039</a>

# Details

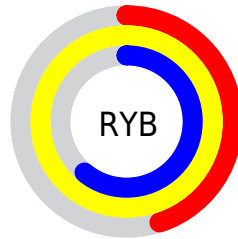
The XYZ color **67.2313, 87.3799, 29.8455** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **37.8142, 26.6806, 97.7646**, and the grayscale version is **73.7495, 77.5902, 84.4957**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **35.1369, 47.9942, 11.8268** is the 20% darker color. If you saturate the color by 10%, you get **63.8776, 85.7995, 22.9799**, and if you desaturate by 10%, it is **71.0844, 89.1707, 38.8614**.

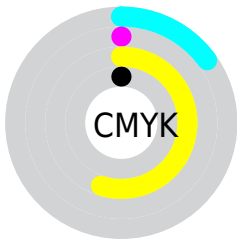
# Distribution



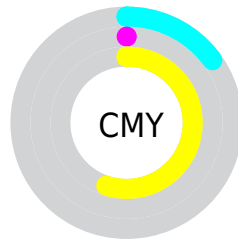
- Red (85%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (61%)



- Cyan (15%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2313, 87.3799, 29.8455 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 67.2313, 87.3799, 29.8455 by changing the saturation by 10% instead.





 67.2313, 87.3799,  
29.8455

 67.2313, 87.3799,  
29.8455


440.1872,  
519.4704, 315.3685


 49.5440, 65.8096,  
19.4703


 114.2997,  
143.6935, 60.4759

 35.2675, 48.1179,  
11.8303


 144.4116,  
179.2057, 81.5681

 24.0365, 33.9203,  
6.5071

 179.3957,  
220.1340, 107.0698

 15.4856, 22.8323,  
3.0821

219.6174,  
266.8627, 137.3994

 9.2494, 14.4698,  
1.1367

265.4420,  
319.7763, 172.9756

 4.9626, 8.4481,  
0.0000

317.2350,

 2.2599, 4.3830,

379.2592, 214.2168

0.0000

375.3616,  
445.6958, 261.5416

0.7740, 1.8900,  
0.0000

0.0000, 0.5424,  
0.0000

67.2313, 87.3799,  
29.8455

67.2313, 87.3799,  
29.8455

63.8776, 85.7995,  
22.9799

71.0844, 89.1707,  
38.8614

60.9876, 84.4151,  
18.0810

75.4680, 91.1844,  
50.1838

58.5203, 83.2101,  
14.9403

80.4107, 93.4327,  
63.9586

56.4260, 82.1645,  
13.3010

85.9389, 95.9263,  
80.3185

■ 55.3959, 81.6427,  
12.8389

■ 92.0771, 98.6749,  
99.3867

95.0500, 100.0000,  
108.9000

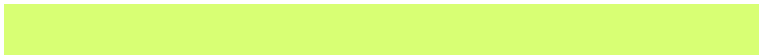
# Harmonies

## Analogous

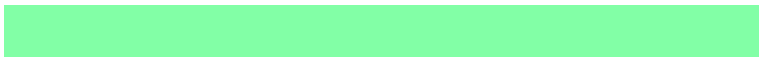
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3544, 87.3799, 24.6367



67.2313, 87.3799, 29.8455



56.0184, 87.3799, 50.0834

# Triad

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



67.2313, 87.3799, 29.8455



65.3007, 87.3799, 212.6804



124.6859, 87.3799, 98.9011

# Complementary

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



67.2313, 87.3799, 29.8455



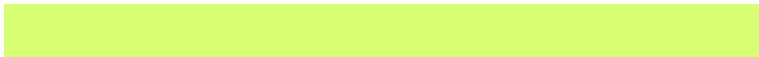
37.8142, 26.6806, 97.7646

# 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.



117.6261, 87.3799, 161.3683



67.2313, 87.3799, 29.8455



81.7630, 87.3799, 240.7068

# Square

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



67.2313, 87.3799, 29.8455



55.0277, 87.3799, 152.3987



101.1781, 87.3799, 219.0879



119.2677, 87.3799, 54.3917



# Rectangle

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



67.2313, 87.3799, 29.8455



52.4693, 87.3799, 75.1123



101.1781, 87.3799, 219.0879



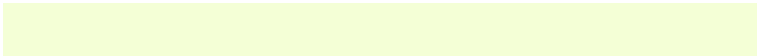
123.6738, 87.3799, 118.4488

# Sweetspot

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



67.2315, 87.3799, 29.8467



85.0762, 95.5383, 77.7091



55.7952, 45.3263, 22.3323



17.9597, 20.3365, 15.8832



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.



67.2315, 87.3799, 29.8467



63.7250, 85.7270, 22.6946



51.2044, 79.1177, 29.0967



19.0352, 20.8196, 19.1597



29.0986, 42.7390, 6.7158



2.9399, 4.2163, 0.6589



# Inverse Universe

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



37.8142, 26.6806, 97.7646



31.7571, 19.6203, 96.7211



54.5942, 35.3310, 98.5499



17.4815, 17.6244, 22.7304



10.9347, 4.5475, 49.7360

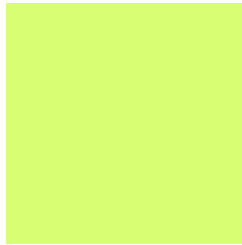


1.1657, 0.4948, 4.8473



# Previews

## White Background



This preview shows how the XYZ color 67.2313, 87.3799, 29.8455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

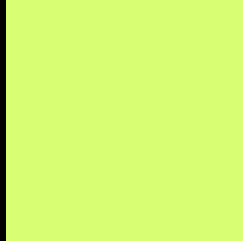
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2313, 87.3799, 29.8455 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 67.2313, 87.3799, 29.8455

## Background



This preview shows how black text looks on a background with the XYZ color 67.2313, 87.3799, 29.8455.



This preview shows how white text looks on a background with the XYZ color 67.2313, 87.3799,



# Color Blindness Simulation

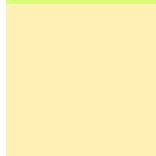
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



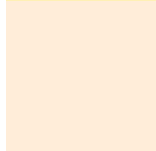
### Original Color

67.2313, 87.3799, 29.8455



### Protanopia

80.7406, 86.9164, 56.2371



### Deuteranopia

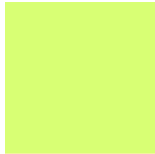
84.0486, 86.8381, 77.9772



## Tritanopia

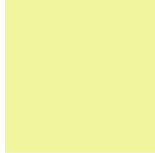
83.4710, 87.2023, 107.0401

# Trichromacy



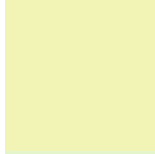
## Original Color

67.2313, 87.3799, 29.8455



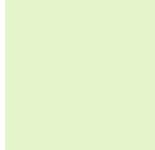
## Protanomaly

75.0138, 86.4399, 44.6292



## Deuteranomaly

76.8645, 86.6974, 55.8631



## Tritanomaly

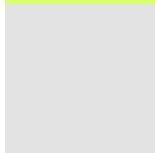
75.5464, 86.1584, 69.7753

# Monochromacy



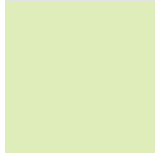
## Original Color

67.2313, 87.3799, 29.8455



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.6853, 79.8442, 58.7524

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2313, 87.3799, 29.8455 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(216, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 116)  
}
```

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(216, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2313, 87.3799, 29.8455 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(216, 255, 116) }
```



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

```
.border{ border-color:rgb(216, 255, 116) }
```

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

Here you see how a box with a 4 pixel rgb(216, 255, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2313, 87.3799, 29.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 116) }
```

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

```
.background{ background-color: rgb(216,  
255, 116) }
```

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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