

Converting Colors

XYZ(68.3398, 87.9597, 29.5209)

Have a look what the booklet for
XYZ(68.3398, 87.9597, 29.5209)
contains.

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Color

**XYZ(68.3697, 87.9734,
29.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFF73
RGB	220, 255, 115
RGB Percent	86%, 100%, 45%
CMY	0.1373, 0.0000, 0.5490
CMYK	0.14, 0.00, 0.55, 0.00
HSL	75°, 100%, 73%
HSV	75°, 55%, 100%
XYZ	68.3697, 87.9734, 29.5968
YIQ	228.5750, 24.0800, -50.9600

Conversions

Conversions Part 2

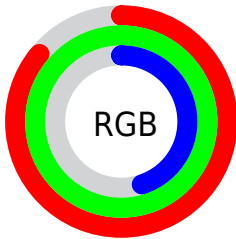
Format	Color
RYB	115, 255, 150
Decimal	14483315
CIELab	95.15, -31.09, 62.08
CIELCh	95, 69.433, 116.604
Yxy	87.9734, 0.3677, 0.4731
Android (android.graphics.Color)	4292673395 (0xFFDCFF73)
YUV	228.5750, -55.9925, -7.5203
Hunter-Lab	93.7941, -34.0251, 46.9469

Details

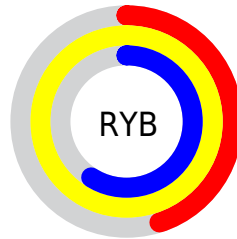
The XYZ color **68.3697, 87.9734, 29.5968** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.7597, 25.9669, 97.6824**, and the grayscale version is **74.5491, 78.4315, 85.4119**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **35.9100, 48.3958, 11.7236** is the 20% darker color. If you saturate the color by 10%, you get **65.2065, 86.4895, 22.8200**, and if you desaturate by 10%, it is **72.0127, 89.6578, 38.5165**.

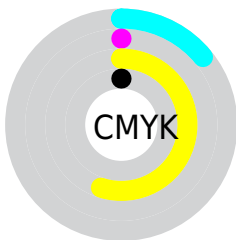
Distribution



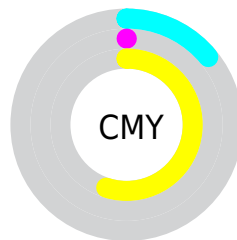
- Red (86%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (59%)



- Cyan (14%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3697, 87.9734, 29.5968 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 68.3697, 87.9734, 29.5968 by changing the saturation by 10% instead.


 68.3697, 87.9734,
29.5968

 68.3697, 87.9734,
29.5968


444.1610,
521.4161, 314.1691


 50.4733, 66.3010,
19.2833


 115.9199,
144.5201, 60.0774

 36.0090, 48.5168,
11.6963


 146.3044,
180.1633, 81.0816

 24.6113, 34.2363,
6.4172


 181.5823,
221.2321, 106.4864

 15.9149, 23.0752,
3.0275

222.1191,
268.1111, 136.7104

 9.5544, 14.6491,
1.1087

268.2800,
321.1846, 172.1722

 5.1645, 8.5735,
0.0000

320.4303,

 2.3799, 4.4640,

380.8370, 213.2902

0.0000

378.9356,
447.4527, 260.4830

0.8351, 1.9364,
0.0000

0.0000, 0.5701,
0.0000

68.3697, 87.9734,
29.5968

68.3697, 87.9734,
29.5968

65.2065, 86.4895,
22.8200

72.0127, 89.6578,
38.5165

62.4874, 85.1915,
18.0013

76.1661, 91.5550,
49.7359

60.1716, 84.0633,
14.9311

80.8585, 93.6764,
63.4013

58.2091, 83.0845,
13.3499

86.1160, 96.0326,
79.6458

■ 57.3082, 82.6285,
12.9284

■ 91.9628, 98.6334,
98.5932

95.0500, 100.0000,
108.9000

Harmonies

Analogous

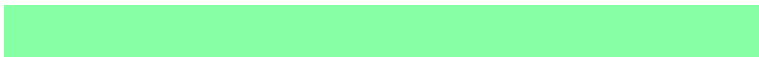
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7882, 87.9734, 24.9136



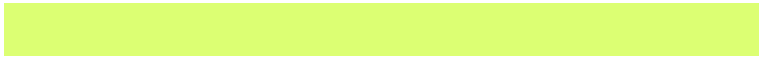
68.3697, 87.9734, 29.5968



56.7888, 87.9734, 49.1493

Triad

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



68.3697, 87.9734, 29.5968



65.1597, 87.9734, 211.6574



125.4097, 87.9734, 102.0890

Complementary

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



68.3697, 87.9734, 29.5968



36.7597, 25.9669, 97.6824

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.



117.7881, 87.9734, 165.2840



68.3697, 87.9734, 29.5968



81.4810, 87.9734, 241.8424

Square

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



68.3697, 87.9734, 29.5968



55.1411, 87.9734, 150.3871



100.9756, 87.9734, 222.2940



120.5151, 87.9734, 56.3189

Rectangle

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



68.3697, 87.9734, 29.5968



53.0026, 87.9734, 73.6346



100.9756, 87.9734, 222.2940



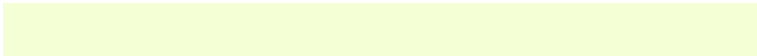
124.2012, 87.9734, 121.9912

Sweetspot

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



68.3699, 87.9735, 29.5980



85.5095, 95.7617, 77.7294



55.2416, 44.3116, 21.8624



18.0636, 20.3901, 15.8881



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.



68.3699, 87.9735, 29.5980



64.8864, 86.3379, 22.1977



51.4330, 79.2422, 28.8054



19.0917, 20.8487, 19.1623



30.0887, 43.2493, 6.7621



3.0294, 4.2625, 0.6631

Inverse Universe

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



36.7597, 25.9669, 97.6824



30.4533, 18.6376, 96.6001



53.6967, 34.6982, 98.4750



17.4284, 17.5971, 22.7279



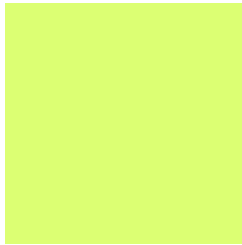
10.6417, 4.3965, 49.7223



1.1309, 0.4769, 4.8457

Previews

White Background



This preview shows how the XYZ color 68.3697, 87.9734, 29.5968 looks on a white background.

Color Contrast Check

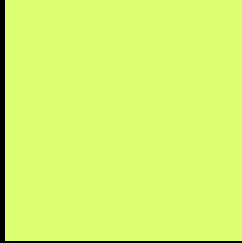
Large Text (above 18pt) WCAG AA × Fail

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 68.3697, 87.9734, 29.5968 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 68.3697, 87.9734, 29.5968

Background



This preview shows how black text looks on a background with the XYZ color 68.3697, 87.9734, 29.5968.

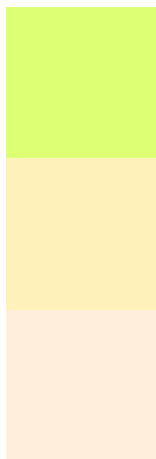


This preview shows how white text looks on a background with the XYZ color 68.3697, 87.9734,

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

68.3697, 87.9734, 29.5968

Protanopia

81.4523, 87.6734, 58.5286

Deuteranopia

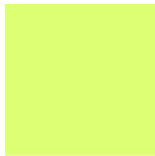
84.6007, 87.5235, 79.4526



Tritanopia

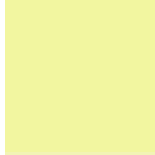
84.4700, 87.7173, 107.0868

Trichromacy



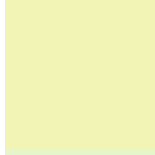
Original Color

68.3697, 87.9734, 29.5968



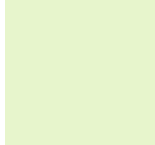
Protanomaly

75.9189, 87.3268, 46.1121



Deuteranomaly

77.3091, 86.9148, 56.4177



Tritanomaly

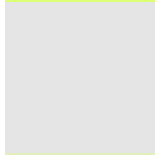
76.5065, 86.6534, 69.8202

Monochromacy



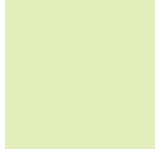
Original Color

68.3697, 87.9734, 29.5968



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.0157, 80.9487, 59.4587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3697, 87.9734, 29.5968 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(220, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 115)  
}
```

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(220, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 115) }
```

Border

The CSS property to change the border of an element to XYZ 68.3697, 87.9734, 29.5968 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(220, 255, 115) }
```


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

```
.border{ border-color:rgb(220, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3697, 87.9734, 29.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 115) }
```

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

```
.background{ background-color: rgb(220,  
255, 115) }
```

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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