

Converting Colors

XYZ(74.7772, 100.0000,
30.0818)

Have a look what the booklet for
XYZ(74.7772, 100.0000, 30.0818)
contains.

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Color

**XYZ(69.0059, 88.3338,
28.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF6E
RGB	223, 255, 110
RGB Percent	87%, 100%, 43%
CMY	0.1255, 0.0000, 0.5686
CMYK	0.13, 0.00, 0.57, 0.00
HSL	73°, 100%, 72%
HSV	73°, 57%, 100%
XYZ	69.0059, 88.3338, 28.1650
YIQ	228.9020, 27.4730, -51.8790

Conversions

Conversions Part 2

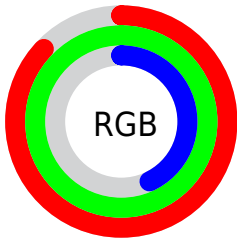
Format	Color
R _Y B	110, 255, 142
Decimal	14679918
CIE Lab	95.30, -30.36, 64.47
CIE LCh	95, 71.258, 115.219
Yxy	88.3338, 0.3720, 0.4762
Android (android.graphics.Color)	4292869998 (0xFFDFFF6E)
YUV	228.9020, -58.6187, -5.1761
Hunter-Lab	93.9861, -33.4184, 48.0227

Details

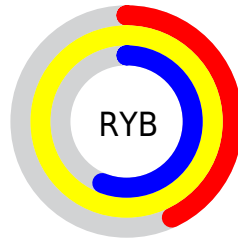
The XYZ color **69.0059, 88.3338, 28.1650** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.7825, 24.1240, 97.4309**, and the grayscale version is **74.8069, 78.7027, 85.7072**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **36.3770, 48.6538, 10.9639** is the 20% darker color. If you saturate the color by 10%, you get **66.1060, 86.9768, 21.7955**, and if you desaturate by 10%, it is **72.3631, 89.8803, 36.6430**.

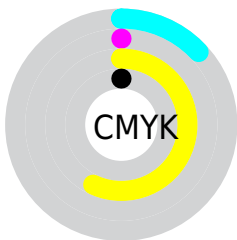
Distribution



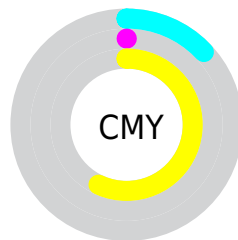
- Red (87%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (56%)



- Cyan (13%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.0059, 88.3338, 28.1650 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 69.0059, 88.3338, 28.1650 by changing the saturation by 10% instead.


 69.0059, 88.3338,
28.1650

 69.0059, 88.3338,
28.1650


446.3728,
522.5957, 307.1912


 50.9932, 66.5995,
18.2100


 116.8240,
145.0218, 57.7740

 36.4242, 48.7593,
10.9298


 147.3601,
180.7443, 78.2651

 24.9336, 34.4286,
5.9061


 182.8014,
221.8984, 103.1052

 16.1561, 23.2230,
2.7202

223.5132,
268.8684, 132.7130

 9.7262, 14.7583,
0.9536

269.8609,
322.0387, 167.5070

 5.2787, 8.6499,
0.0000

322.2098,

 2.4481, 4.5135,

381.7938, 207.9056

0.0000

380.9254,
448.5180, 254.3275

■ 0.8692, 1.9648,
0.0000

■ 0.0000, 0.5869,
0.0000

■ 69.0059, 88.3338,
28.1650

■ 69.0059, 88.3338,
28.1650

■ 66.1060, 86.9768,
21.7955

■ 72.3631, 89.8803,
36.6430

■ 63.6271, 85.7948,
17.3448

■ 76.2089, 91.6290,
47.3897

■ 61.5275, 84.7711,
14.5958

■ 80.5721, 93.5915,
60.5543

■ 59.7539, 83.8842,
13.2718

■ 85.4789, 95.7782,
76.2720

■ 59.2394, 83.6241,
13.0188

■ 90.9535, 98.1989,
94.6681

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.



87.1158, 88.3338, 24.0451



69.0059, 88.3338, 28.1650



56.8271, 88.3338, 47.0929

Triad

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



69.0059, 88.3338, 28.1650



64.3744, 88.3338, 213.7503



127.0308, 88.3338, 105.3905

Complementary

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



69.0059, 88.3338, 28.1650



34.7825, 24.1240, 97.4309

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.



118.5874, 88.3338, 171.1616



69.0059, 88.3338, 28.1650



80.8787, 88.3338, 247.3356

Square

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



69.0059, 88.3338, 28.1650



54.4570, 88.3338, 149.4359



100.9289, 88.3338, 229.3229



122.5565, 88.3338, 57.3707

Rectangle

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



69.0059, 88.3338, 28.1650



52.7313, 88.3338, 71.3526



100.9289, 88.3338, 229.3229



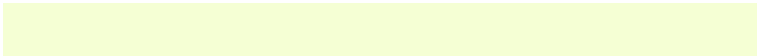
125.5763, 88.3338, 126.1878

Sweetspot

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



69.0060, 88.3338, 28.1662



85.4069, 95.7462, 76.0356



53.6416, 41.5597, 19.9477



18.0603, 20.3958, 15.5553



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.



69.0060, 88.3338, 28.1662



65.8031, 86.8336, 21.1954



51.3532, 79.2335, 27.3401



19.1459, 20.8767, 19.1648



31.0873, 43.7642, 6.8089



3.1190, 4.3087, 0.6673

Inverse Universe

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



34.7825, 24.1240, 97.4309



28.7648, 17.1782, 96.4074



51.3340, 32.6566, 98.2055



17.3778, 17.5710, 22.7256



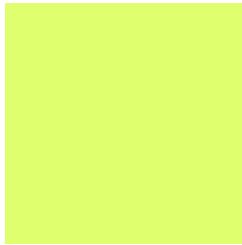
10.3949, 4.2693, 49.7108



1.1005, 0.4612, 4.8443

Previews

White Background



This preview shows how the XYZ color 69.0059, 88.3338, 28.1650 looks on a white background.

Color Contrast Check

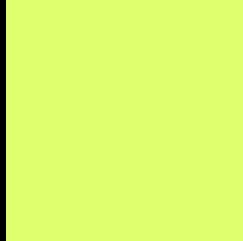
Large Text (above 18pt) WCAG AA × Fail

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 69.0059, 88.3338, 28.1650 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 69.0059, 88.3338, 28.1650

Background



This preview shows how black text looks on a background with the XYZ color 69.0059, 88.3338, 28.1650.

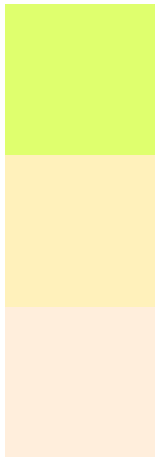


This preview shows how white text looks on a background with the XYZ color 69.0059, 88.3338,

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

69.0059, 88.3338, 28.1650

Protanopia

81.6649, 87.7585, 59.6486

Deuteranopia

84.7328, 87.5764, 80.1482



Tritanopia

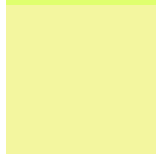
85.1453, 88.0654, 107.1184

Trichromacy



Original Color

69.0059, 88.3338, 28.1650



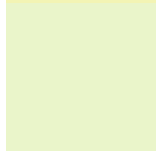
Protanomaly

76.1759, 87.4694, 45.6693



Deuteranomaly

77.5511, 87.0513, 55.8952



Tritanomaly

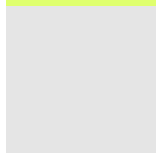
77.2448, 87.0615, 68.6104

Monochromacy



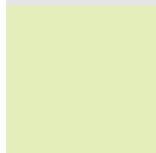
Original Color

69.0059, 88.3338, 28.1650



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1160, 81.0251, 58.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0059, 88.3338, 28.1650 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(223, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 110)  
}
```

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(223, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 110) }
```

Border

The CSS property to change the border of an element to XYZ 69.0059, 88.3338, 28.1650 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(223, 255, 110) }
```


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

```
.border{ border-color:rgb(223, 255, 110) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0059, 88.3338, 28.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 110) }
```

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

```
.background{ background-color: rgb(223,  
255, 110) }
```

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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