

Converting Colors

XYZ(68.4480, 88.0398, 28.4247)

Have a look what the booklet for
XYZ(68.4480, 88.0398, 28.4247)
contains.

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Color

**XYZ(68.4480, 88.0398,
28.4247)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFF6F
RGB	221, 255, 111
RGB Percent	87%, 100%, 44%
CMY	0.1333, 0.0000, 0.5647
CMYK	0.13, 0.00, 0.56, 0.00
HSL	74°, 100%, 72%
HSV	74°, 56%, 100%
XYZ	68.4480, 88.0398, 28.4247
YIQ	228.4180, 25.9600, -51.9920

Conversions

Conversions Part 2

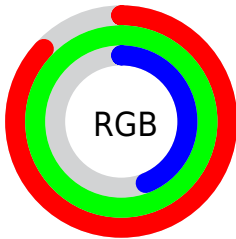
Format	Color
R _Y B	111, 255, 145
Decimal	14548847
CIE Lab	95.18, -31.04, 63.86
CIE LCh	95, 71.008, 115.924
Yxy	88.0398, 0.3702, 0.4761
Android (android.graphics.Color)	4292738927 (0xFFDDFF6F)
YUV	228.4180, -57.8871, -6.5056
Hunter-Lab	93.8295, -33.9871, 47.7194

Details

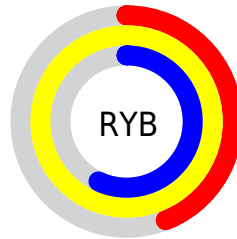
The XYZ color **68.4480, 88.0398, 28.4247** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.4127, 24.6099, 97.4915**, and the grayscale version is **74.4461, 78.3231, 85.2939**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **35.9879, 48.4505, 11.0696** is the 20% darker color. If you saturate the color by 10%, you get **65.4378, 86.6277, 21.9716**, and if you desaturate by 10%, it is **71.9249, 89.6462, 36.9934**.

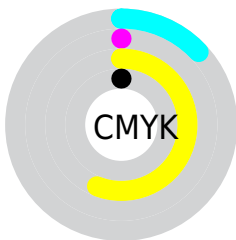
Distribution



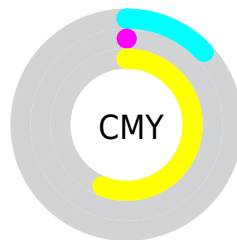
- Red (87%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (57%)



- Cyan (13%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4480, 88.0398, 28.4247 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 68.4480, 88.0398, 28.4247 by changing the saturation by 10% instead.


 68.4480, 88.0398,
28.4247

 68.4480, 88.0398,
28.4247


444.4335,
521.6336, 308.4663


 50.5373, 66.3560,
18.4042


 116.0312,
144.6126, 58.1930

 36.0600, 48.5615,
11.0682


 146.4344,
180.2704, 78.7780

 24.6509, 34.2717,
5.9979


 181.7325,
221.3549, 103.7214

 15.9445, 23.1024,
2.7751

222.2908,
268.2507, 133.4420

 9.5755, 14.6692,
0.9810

268.4747,
321.3421, 168.3583

 5.1785, 8.5875,
0.0000

320.6496,

 2.3882, 4.4731,

381.0134, 208.8887

0.0000

379.1807,
447.6491, 255.4519

■ 0.8392, 1.9416,
0.0000

■ 0.0000, 0.5732,
0.0000

■ 68.4480, 88.0398,
28.4247

■ 68.4480, 88.0398,
28.4247

■ 65.4378, 86.6277,
21.9716

■ 71.9249, 89.6462,
36.9934

■ 62.8582, 85.3954,
17.4455

■ 75.8999, 91.4595,
47.8374

■ 60.6674, 84.3260,
14.6308

■ 80.4015, 93.4912,
61.1051

■ 58.8131, 83.3986,
13.2563

■ 85.4562, 95.7519,
76.9315

■ 58.2113, 83.0941,
12.9707

■ 91.0883, 98.2515,
95.4413

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.



86.3513, 88.0398, 24.0265



68.4480, 88.0398, 28.4247



56.4954, 88.0398, 47.7030

Triad

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



68.4480, 88.0398, 28.4247



64.5199, 88.0398, 213.9431



126.5368, 88.0398, 103.6342

Complementary

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



68.4480, 88.0398, 28.4247



35.4127, 24.6099, 97.4915

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.



118.4259, 88.0398, 168.7953



68.4480, 88.0398, 28.4247



81.0628, 88.0398, 246.2221

Square

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



68.4480, 88.0398, 28.4247



54.4848, 88.0398, 150.3826



101.0172, 88.0398, 227.1381



121.7903, 88.0398, 56.4228

Rectangle

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



68.4480, 88.0398, 28.4247



52.5358, 88.0398, 72.2148



101.0172, 88.0398, 227.1381



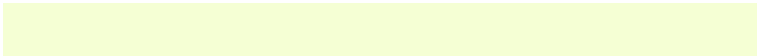
125.1941, 88.0398, 124.1746

Sweetspot

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



68.4482, 88.0399, 28.4259



85.1735, 95.6259, 76.0246



54.1743, 42.5375, 20.3954



18.0048, 20.3672, 15.5527



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.



68.4482, 88.0399, 28.4259



65.0159, 86.4278, 21.1586



51.0976, 79.0953, 27.6139



19.1174, 20.8619, 19.1635



30.5558, 43.4902, 6.7840



3.0714, 4.2841, 0.6650

Inverse Universe

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



35.4127, 24.6099, 97.4915



29.1404, 17.3718, 96.4250



52.2317, 33.2804, 98.2786



17.4044, 17.5847, 22.7268



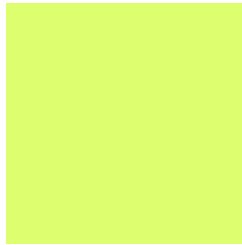
10.5207, 4.3341, 49.7166



1.1162, 0.4693, 4.8450

Previews

White Background



This preview shows how the XYZ color 68.4480, 88.0398, 28.4247 looks on a white background.

Color Contrast Check

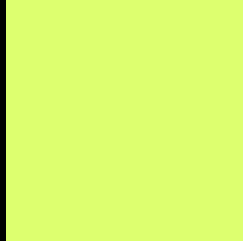
Large Text (above 18pt) WCAG AA × Fail

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 68.4480, 88.0398, 28.4247 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 68.4480, 88.0398, 28.4247

Background



This preview shows how black text looks on a background with the XYZ color 68.4480, 88.0398, 28.4247.

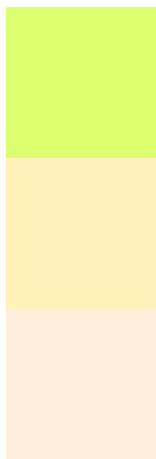


This preview shows how white text looks on a background with the XYZ color 68.4480, 88.0398,

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

68.4480, 88.0398, 28.4247

Protanopia

81.4523, 87.6734, 58.5286

Deuteranopia

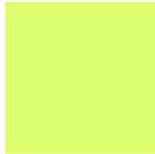
84.6007, 87.5235, 79.4526



Tritanopia

84.8067, 87.8909, 107.1026

Trichromacy



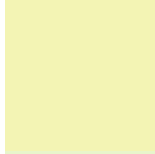
Original Color

68.4480, 88.0398, 28.4247



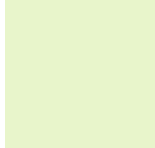
Protanomaly

76.0895, 87.4348, 45.2140



Deuteranomaly

77.5511, 87.0513, 55.8952



Tritanomaly

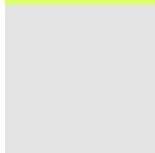
76.7106, 86.7724, 69.2056

Monochromacy



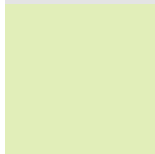
Original Color

68.4480, 88.0398, 28.4247



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.3828, 80.6594, 57.7582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4480, 88.0398, 28.4247 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(221, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 111)  
}
```

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(221, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 111) }
```

Border

The CSS property to change the border of an element to XYZ 68.4480, 88.0398, 28.4247 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(221, 255, 111) }
```


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

```
.border{ border-color:rgb(221, 255, 111) }
```

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

Here you see how a box with a 4 pixel rgb(221, 255, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4480, 88.0398, 28.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 111) }
```

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

```
.background{ background-color: rgb(221,  
255, 111) }
```

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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