

Converting Colors

XYZ(67.6656, 87.6450, 28.0030)

Have a look what the booklet for
XYZ(67.6656, 87.6450, 28.0030)
contains.

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Color

**XYZ(67.7879, 87.7059,
28.1080)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFF6E
RGB	219, 255, 110
RGB Percent	86%, 100%, 43%
CMY	0.1412, 0.0000, 0.5686
CMYK	0.14, 0.00, 0.57, 0.00
HSL	75°, 100%, 72%
HSV	75°, 57%, 100%
XYZ	67.7879, 87.7059, 28.1080
YIQ	227.7060, 25.0890, -52.7270

Conversions

Conversions Part 2

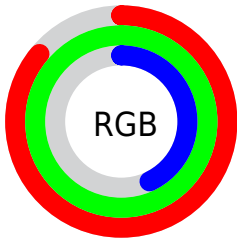
Format	Color
RYB	110, 255, 146
Decimal	14417774
CIELab	95.04, -31.88, 64.10
CIELCh	95, 71.588, 116.446
Yxy	87.7059, 0.3692, 0.4777
Android (android.graphics.Color)	4292607854 (0xFFDBFF6E)
YUV	227.7060, -58.0291, -7.6352
Hunter-Lab	93.6514, -34.6860, 47.7610

Details

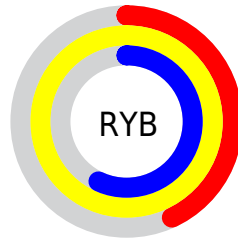
The XYZ color **67.7879, 87.7059, 28.1080** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.4813, 24.4842, 97.4636**, and the grayscale version is **73.9251, 77.7750, 84.6969**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **35.5579, 48.2316, 10.9256** is the 20% darker color. If you saturate the color by 10%, you get **64.7245, 86.2646, 21.7308**, and if you desaturate by 10%, it is **71.3234, 89.3443, 36.5943**.

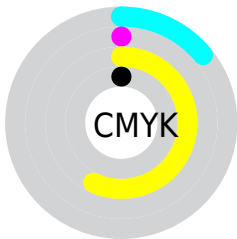
Distribution



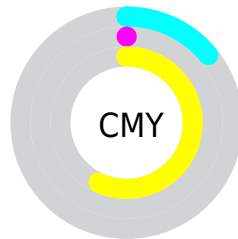
- Red (86%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7879, 87.7059, 28.1080 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 67.7879, 87.7059, 28.1080 by changing the saturation by 10% instead.


 67.7879, 87.7059,
28.1080


 67.7879, 87.7059,
28.1080


442.1327,
520.5396, 306.9108


 49.9982, 66.0795,
18.1673


 115.0922,
144.1476, 57.6820

 35.6298, 48.3370,
10.8995


 145.3376,
179.7318, 78.1524

 24.3172, 34.0938,
5.8860


 180.4657,
220.7373, 102.9698

 15.6951, 22.9657,
2.7082

220.8417,
267.5487, 132.5528

 9.3981, 14.5682,
0.9476

266.8310,
320.5502, 167.3198

 5.0609, 8.5169,
0.0000

318.7991,

 2.3182, 4.4274,

380.1262, 207.6895

0.0000

377.1112,
446.6613, 254.0803

■ 0.8039, 1.9154,
0.0000

■ 0.0000, 0.5576,
0.0000

■ 67.7879, 87.7059,
28.1080

■ 67.7879, 87.7059,
28.1080

■ 64.7245, 86.2646,
21.7308

■ 71.3234, 89.3443,
36.5943

■ 62.0968, 85.0059,
17.2732

■ 75.3626, 91.1927,
47.3501

■ 59.8626, 83.9128,
14.5179

■ 79.9344, 93.2627,
60.5245

■ 57.9685, 82.9638,
13.1882

■ 85.0652, 95.5649,
76.2526

■ 57.4191, 82.6857,
12.9336

■ 90.7797, 98.1094,
94.6600

95.0500, 100.0000,
108.9000

Harmonies

Analogous

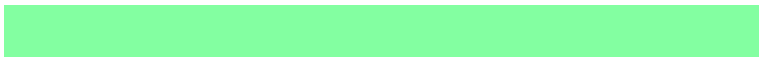
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7024, 87.7059, 23.5146



67.7879, 87.7059, 28.1080



55.9129, 87.7059, 47.6787

Triad

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



67.7879, 87.7059, 28.1080



64.3484, 87.7059, 215.4859



126.5474, 87.7059, 102.2934

Complementary

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



67.7879, 87.7059, 28.1080



35.4813, 24.4842, 97.4636

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.



118.5823, 87.7059, 167.7921



67.7879, 87.7059, 28.1080



81.0643, 87.7059, 247.2909

Square

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



67.7879, 87.7059, 28.1080



54.1547, 87.7059, 151.5933



101.1552, 87.7059, 227.1147



121.5397, 87.7059, 55.2910

Rectangle

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



67.7879, 87.7059, 28.1080



52.0286, 87.7059, 72.5253



101.1552, 87.7059, 227.1147



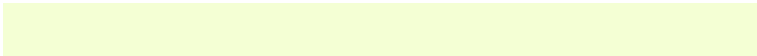
125.2706, 87.7059, 122.8692

Sweetspot

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



67.7880, 87.7059, 28.1092



84.9900, 95.5313, 76.0161



54.0032, 42.2829, 20.0682



17.9612, 20.3447, 15.5506



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.



67.7880, 87.7059, 28.1092



64.4040, 86.1123, 21.1300



50.9090, 79.0044, 27.3193



19.0948, 20.8503, 19.1624



30.1460, 43.2789, 6.7648



3.0346, 4.2651, 0.6633

Inverse Universe

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



35.4813, 24.4842, 97.4636



29.4441, 17.5283, 96.4392



52.0442, 33.0227, 98.2387



17.4255, 17.5956, 22.7278



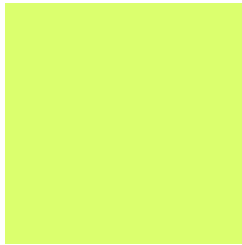
10.6263, 4.3885, 49.7216



1.1291, 0.4760, 4.8456

Previews

White Background



This preview shows how the XYZ color 67.7879, 87.7059, 28.1080 looks on a white background.

Color Contrast Check

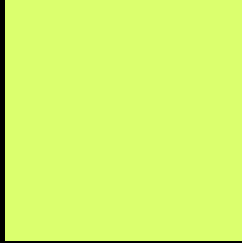
Large Text (above 18pt) WCAG AA × Fail

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 67.7879, 87.7059, 28.1080 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 67.7879, 87.7059, 28.1080

Background



This preview shows how black text looks on a background with the XYZ color 67.7879, 87.7059, 28.1080.

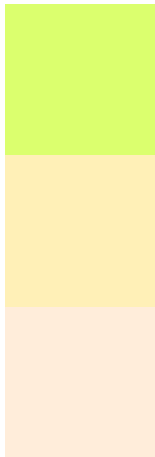


This preview shows how white text looks on a background with the XYZ color 67.7879, 87.7059,

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

67.7879, 87.7059, 28.1080

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

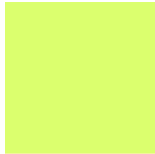
84.1791, 86.8903, 78.6645



Tritanopia

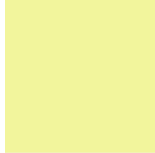
84.1351, 87.5447, 107.0712

Trichromacy



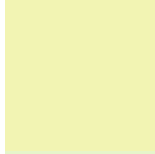
Original Color

67.7879, 87.7059, 28.1080



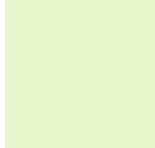
Protanomaly

75.2711, 86.5824, 44.1973



Deuteranomaly

77.1053, 86.8333, 55.3444



Tritanomaly

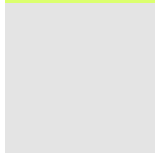
75.9462, 86.3921, 68.5497

Monochromacy



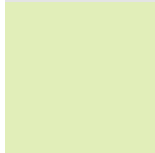
Original Color

67.7879, 87.7059, 28.1080



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 67.7879, 87.7059, 28.1080 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(219, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 110) }
```

Border

The CSS property to change the border of an element to XYZ 67.7879, 87.7059, 28.1080 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(219, 255, 110) }
```


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

```
.border{ border-color:rgb(219, 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(219, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7879, 87.7059, 28.1080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 110) }
```

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

```
.background{ background-color: rgb(219,  
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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