

Converting Colors

XYZ(70.0513, 88.9208, 26.0417)

Have a look what the booklet for
XYZ(70.0513, 88.9208, 26.0417)
contains.

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Color

**XYZ(70.1532, 88.9733,
26.0465)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FF66
RGB	228, 255, 102
RGB Percent	89%, 100%, 40%
CMY	0.1059, 0.0000, 0.6000
CMYK	0.11, 0.00, 0.60, 0.00
HSL	71°, 100%, 70%
HSV	71°, 60%, 100%
XYZ	70.1532, 88.9733, 26.0465
YIQ	229.4850, 33.0210, -53.3070

Conversions

Conversions Part 2

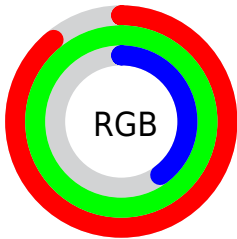
Format	Color
RYB	102, 255, 129
Decimal	15007590
CIELab	95.57, -29.04, 68.21
CIELCh	96, 74.132, 113.062
Yxy	88.9733, 0.3789, 0.4805
Android (android.graphics.Color)	4293197670 (0xFFE4FF66)
YUV	229.4850, -62.8501, -1.3023
Hunter-Lab	94.3257, -32.3134, 49.6560

Details

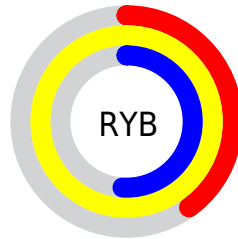
The XYZ color **70.1532, 88.9733, 26.0465** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.8559, 21.3912, 97.0577**, and the grayscale version is **75.2650, 79.1846, 86.2320**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **37.2077, 49.1086, 9.8034** is the 20% darker color. If you saturate the color by 10%, you get **67.6677, 87.8163, 20.3136**, and if you desaturate by 10%, it is **73.0650, 90.3051, 33.8313**.

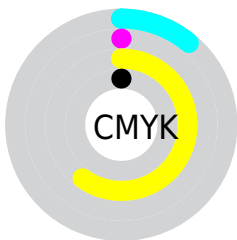
Distribution



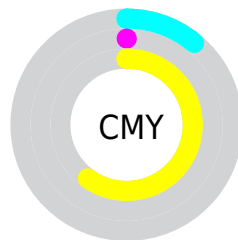
- Red (89%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.1532, 88.9733, 26.0465 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 70.1532, 88.9733, 26.0465 by changing the saturation by 10% instead.


 70.1532, 88.9733,
26.0465

 70.1532, 88.9733,
26.0465


450.3458,
524.6854, 296.6230

 51.9315, 67.1294,
16.6324


 118.4523,
145.9114, 54.3350


 37.1745, 49.1898,
9.8135


 149.2604,
181.7745, 74.0463

 25.5169, 34.7701,
5.1715

 184.9946,
223.0794, 98.0272

 16.5934, 23.4858,
2.2878

 226.0204,
270.2105, 126.6962

 10.0385, 14.9526,
0.7243

272.7030,
323.5523, 160.4717

 5.4870, 8.7862,
0.0000

325.4079,

 2.5734, 4.6020,

383.4891, 199.7723

0.0000

384.5004,
450.4053, 245.0165

■ 0.9324, 2.0157,
0.0000

■ 0.0000, 0.6166,
0.0000

■ 70.1532, 88.9733,
26.0465

■ 70.1532, 88.9733,
26.0465

■ 67.6677, 87.8163,
20.3136

■ 73.0650, 90.3051,
33.8313

■ 65.5708, 86.8190,
16.4343


■ 76.4352, 91.8246,
43.8344


■ 63.8184, 85.9637,
14.1776

■ 80.2933, 93.5436,
56.2095

■ 62.3380, 85.2215,
13.1640

■ 84.6658, 95.4728,
71.0954

 62.3378, 85.2213,
13.1638

 89.5774, 97.6220,
88.6205

95.0500, 100.0000,
108.9000

Harmonies

Analogous

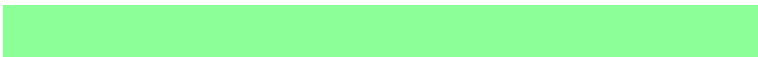
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3790, 88.9733, 22.8041



70.1532, 88.9733, 26.0465



57.0011, 88.9733, 43.9536

Triad

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



70.1532, 88.9733, 26.0465



63.1744, 88.9733, 216.8055



129.6317, 88.9733, 111.0456

Complementary

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



70.1532, 88.9733, 26.0465



31.8559, 21.3912, 97.0577

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.



119.8346, 88.9733, 180.9760



70.1532, 88.9733, 26.0465



79.9299, 88.9733, 256.0165

Square

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



70.1532, 88.9733, 26.0465



53.4461, 88.9733, 147.7081



100.8299, 88.9733, 240.7868



125.8938, 88.9733, 59.2924

Rectangle

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



70.1532, 88.9733, 26.0465



52.4006, 88.9733, 67.7729



100.8299, 88.9733, 240.7868



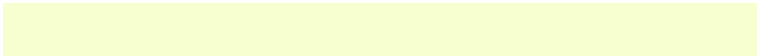
127.7661, 88.9733, 133.3078

Sweetspot

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



70.1533, 88.9733, 26.0477



85.6034, 95.8843, 74.3823



51.2931, 37.5286, 17.1119



18.0319, 20.3955, 14.9038



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.



70.1533, 88.9733, 26.0477



67.2181, 87.6044, 19.3953



51.2960, 79.2520, 25.1652



19.2282, 20.9191, 19.1687



32.6875, 44.5891, 6.8837



3.2614, 4.3820, 0.6739

Inverse Universe

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



31.8559, 21.3912, 97.0577



26.0147, 14.7087, 96.0757



47.7041, 29.5613, 97.7994



17.3018, 17.5318, 22.7220



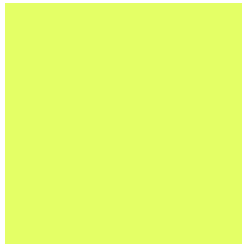
10.0830, 4.1085, 49.6962



1.0597, 0.4402, 4.8424

Previews

White Background



This preview shows how the XYZ color 70.1532, 88.9733, 26.0465 looks on a white background.

Color Contrast Check

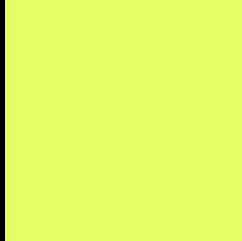
Large Text (above 18pt) WCAG AA × Fail

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 70.1532, 88.9733, 26.0465 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 70.1532, 88.9733, 26.0465

Background



This preview shows how black text looks on a background with the XYZ color 70.1532, 88.9733, 26.0465.

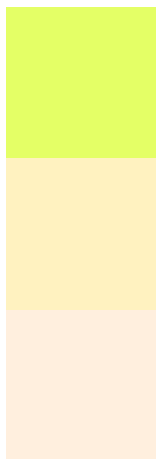


This preview shows how white text looks on a background with the XYZ color 70.1532, 88.9733,

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

70.1532, 88.9733, 26.0465

Protanopia

82.5066, 88.5700, 62.6163

Deuteranopia

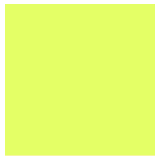
85.2913, 88.2669, 81.6491



Tritanopia

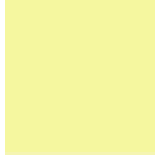
86.5183, 88.7733, 107.1827

Trichromacy



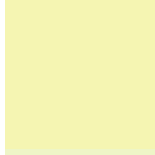
Original Color

70.1532, 88.9733, 26.0465



Protanomaly

77.1750, 88.4372, 45.8034



Deuteranomaly

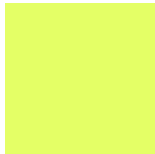
78.3445, 87.9316, 54.9628



Tritanomaly

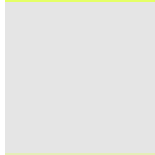
78.2211, 87.6055, 66.8197

Monochromacy



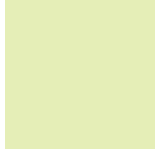
Original Color

70.1532, 88.9733, 26.0465



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.4349, 81.2260, 56.7129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1532, 88.9733, 26.0465 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(228, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 102)  
}
```

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(228, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 70.1532, 88.9733, 26.0465 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(228, 255, 102) }
```


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

```
.border{ border-color:rgb(228, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1532, 88.9733, 26.0465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 102) }
```

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

```
.background{ background-color: rgb(228,  
255, 102) }
```

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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