

Converting Colors

XYZ(75.6017, 100.0000,
30.5224)

Have a look what the booklet for
XYZ(75.6017, 100.0000, 30.5224)
contains.

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Color

**XYZ(70.0487, 88.8586,
28.7887)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FF70
RGB	226, 255, 112
RGB Percent	89%, 100%, 44%
CMY	0.1137, 0.0000, 0.5608
CMYK	0.11, 0.00, 0.56, 0.00
HSL	72°, 100%, 72%
HSV	72°, 56%, 100%
XYZ	70.0487, 88.8586, 28.7887
YIQ	230.0270, 28.6190, -50.6210

Conversions

Conversions Part 2

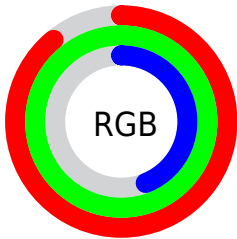
Format	Color
R_{YB}	112, 255, 141
Decimal	14876528
CIE _{Lab}	95.52, -29.06, 63.91
CIE _{LCh}	96, 70.207, 114.449
Yxy	88.8586, 0.3732, 0.4734
Android (android.graphics.Color)	4293066608 (0xFFE2FF70)
YUV	230.0270, -58.1873, -3.5317
Hunter-Lab	94.2648, -32.3192, 47.8781

Details

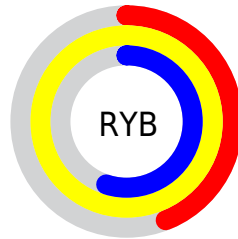
The XYZ color **70.0487, 88.8586, 28.7887** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.8299, 24.4724, 97.4956**, and the grayscale version is **75.6355, 79.5744, 86.6566**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **37.0563, 48.9985, 11.2460** is the 20% darker color. If you saturate the color by 10%, you get **67.2267, 87.5453, 22.2657**, and if you desaturate by 10%, it is **73.3220, 90.3581, 37.4333**.

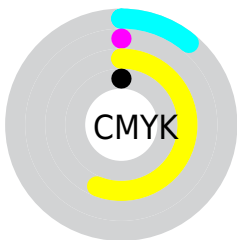
Distribution



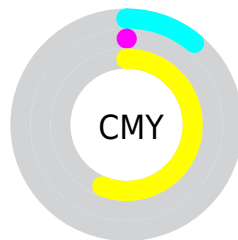
- Red (89%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (55%)



- Cyan (11%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0487, 88.8586, 28.7887 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 70.0487, 88.8586, 28.7887 by changing the saturation by 10% instead.


 70.0487, 88.8586,
28.7887

 70.0487, 88.8586,
28.7887


449.9847,
524.3109, 310.2464


 51.8460, 67.0344,
18.6768


 118.3041,
145.7519, 58.7794

 37.1061, 49.1126,
11.2626


 149.0875,
181.5898, 79.4953

 25.4637, 34.7088,
6.1273


 184.7951,
222.8677, 104.5829

 16.5534, 23.4386,
2.8526

225.7924,
269.9699, 134.4608

 10.0099, 14.9177,
1.0199

272.4446,
323.2810, 169.5476

 5.4679, 8.7617,
0.0000

325.1172,

 2.5619, 4.5860,

383.1853, 210.2618

0.0000

384.1754,
450.0671, 257.0218

■ 0.9266, 2.0065,
0.0000

■ 0.0000, 0.6112,
0.0000

■ 70.0487, 88.8586,
28.7887

■ 70.0487, 88.8586,
28.7887

■ 67.2267, 87.5453,
22.2657

■ 73.3220, 90.3581,
37.4333

■ 64.8200, 86.4037,
17.6767


■ 77.0773, 92.0561,
48.3585


■ 62.7877, 85.4174,
14.8076

■ 81.3430, 93.9640,
61.7120

■ 61.0783, 84.5657,
13.3909

■ 86.1452, 96.0923,
77.6284

 60.4663, 84.2566,
13.0762

 91.5078, 98.4507,
96.2323

95.0500, 100.0000,
108.9000

Harmonies

Analogous

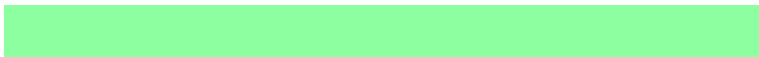
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0881, 88.8586, 24.9584



70.0487, 88.8586, 28.7887



57.7856, 88.8586, 47.2869

Triad

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



70.0487, 88.8586, 28.7887



64.7165, 88.8586, 211.1303



126.9035, 88.8586, 107.3708

Complementary

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



70.0487, 88.8586, 28.7887



34.8299, 24.4724, 97.4956

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.



118.2846, 88.8586, 172.3814



70.0487, 88.8586, 28.7887



80.9279, 88.8586, 245.2164

Square

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



70.0487, 88.8586, 28.7887



55.0503, 88.8586, 147.5781



100.7178, 88.8586, 228.8530



122.8226, 88.8586, 59.1831

Rectangle

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



70.0487, 88.8586, 28.7887



53.5874, 88.8586, 71.0286



100.7178, 88.8586, 228.8530



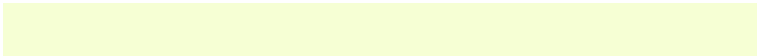
125.3602, 88.8586, 128.0383

Sweetspot

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



70.0488, 88.8587, 28.7899



85.6787, 95.8864, 76.0483



53.6313, 41.3629, 20.4876



18.1250, 20.4291, 15.5583



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.



70.0488, 88.8587, 28.7899



66.9876, 87.4329, 21.7640



52.1838, 79.6489, 27.9538



19.1792, 20.8938, 19.1664



31.7212, 44.0910, 6.8385



3.1756, 4.3378, 0.6699

Inverse Universe

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



34.8299, 24.4724, 97.4956



28.8122, 17.4917, 96.4654



51.0252, 32.8214, 98.2536



17.3470, 17.5551, 22.7241



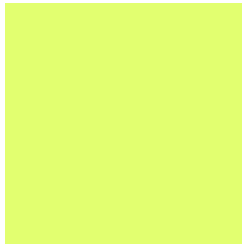
10.2601, 4.1998, 49.7045



1.0832, 0.4524, 4.8435

Previews

White Background



This preview shows how the XYZ color 70.0487, 88.8586, 28.7887 looks on a white background.

Color Contrast Check

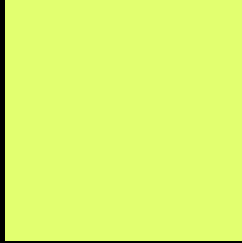
Large Text (above 18pt) WCAG AA × Fail

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 70.0487, 88.8586, 28.7887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

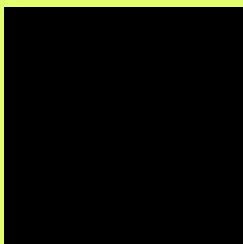
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

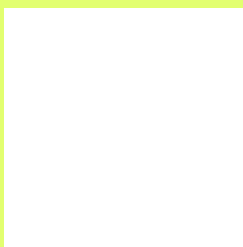
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0487, 88.8586, 28.7887

Background



This preview shows how black text looks on a background with the XYZ color 70.0487, 88.8586, 28.7887.

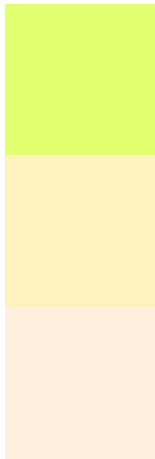


This preview shows how white text looks on a background with the XYZ color 70.0487, 88.8586,

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

70.0487, 88.8586, 28.7887

Protanopia

82.3961, 88.5258, 62.0347

Deuteranopia

85.2913, 88.2669, 81.6491



Tritanopia

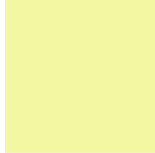
85.8280, 88.4174, 107.1504

Trichromacy



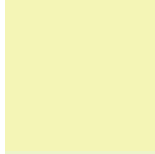
Original Color

70.0487, 88.8586, 28.7887



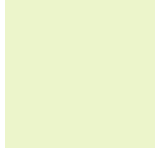
Protanomaly

77.0906, 88.3633, 47.1751



Deuteranomaly

78.4041, 87.9153, 57.0930



Tritanomaly

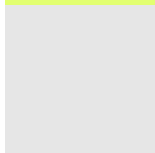
78.0240, 87.4495, 69.2670

Monochromacy



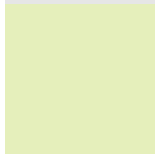
Original Color

70.0487, 88.8586, 28.7887



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1492, 81.9789, 59.0345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0487, 88.8586, 28.7887 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(226, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 112)  
}
```

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(226, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 112) }
```

Border

The CSS property to change the border of an element to XYZ 70.0487, 88.8586, 28.7887 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(226, 255, 112) }
```


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

```
.border{ border-color:rgb(226, 255, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0487, 88.8586, 28.7887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 112) }
```

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

```
.background{ background-color: rgb(226,  
255, 112) }
```

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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