

Converting Colors

XYZ(72.6371, 93.5291, 25.6587)

Have a look what the booklet for
XYZ(72.6371, 93.5291, 25.6587)
contains.

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Color

**XYZ(70.5977, 89.2248,
25.0565)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FF62
RGB	230, 255, 98
RGB Percent	90%, 100%, 38%
CMY	0.0980, 0.0000, 0.6157
CMYK	0.10, 0.00, 0.62, 0.00
HSL	70°, 100%, 69%
HSV	70°, 62%, 100%
XYZ	70.5977, 89.2248, 25.0565
YIQ	229.6270, 35.4970, -54.1270

Conversions

Conversions Part 2

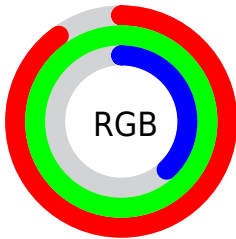
Format	Color
R _Y B	98, 255, 123
Decimal	15138658
CIE Lab	95.67, -28.54, 69.98
CIE LCh	96, 75.577, 112.187
Yxy	89.2248, 0.3819, 0.4826
Android (android.graphics.Color)	4293328738 (0xFFE6FF62)
YUV	229.6270, -64.8921, 0.3271
Hunter-Lab	94.4589, -31.8938, 50.3937

Details

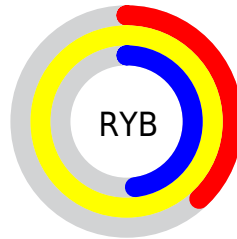
The XYZ color **70.5977, 89.2248, 25.0565** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.5873, 20.1676, 96.8884**, and the grayscale version is **75.3834, 79.3092, 86.3677**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **37.3226, 49.1797, 9.2758** is the 20% darker color. If you saturate the color by 10%, you get **68.2911, 88.1533, 19.6336**, and if you desaturate by 10%, it is **73.3183, 90.4654, 32.5023**.

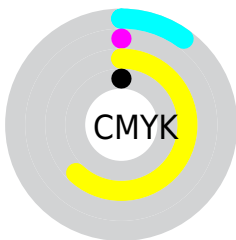
Distribution



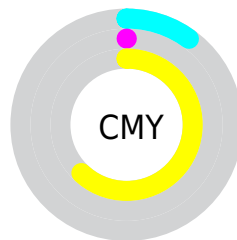
- Red (90%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (48%)



- Cyan (10%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5977, 89.2248, 25.0565 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 70.5977, 89.2248, 25.0565 by changing the saturation by 10% instead.


 70.5977, 89.2248,
25.0565

 70.5977, 89.2248,
25.0565


451.8796,
525.5059, 291.5759


 52.2953, 67.3379,
15.8998


 119.0824,
146.2611, 52.7141


 37.4657, 49.3593,
9.2997


 149.9953,
182.1793, 72.0521

 25.7436, 34.9046,
4.8377

 185.8425,
223.5434, 95.6209

 16.7636, 23.5894,
2.0953

 226.9893,
270.7378, 123.8390

 10.1604, 15.0293,
0.6129

273.8011,
324.1468, 157.1250

 5.5685, 8.8399,
0.0000

326.6432,

 2.6227, 4.6369,

384.1549, 195.8975

0.0000

385.8809,
451.1465, 240.5749

■ 0.9575, 2.0359,
0.0000

■ 0.0000, 0.6282,
0.0000

■ 70.5977, 89.2248,
25.0565

■ 70.5977, 89.2248,
25.0565

■ 68.2911, 88.1533,
19.6336

■ 73.3183, 90.4654,
32.5023

■ 66.3600, 87.2356,
16.0305


■ 76.4857, 91.8882,
42.1408


■ 64.7589, 86.4533,
14.0083

■ 80.1296, 93.5051,
54.1280

■ 63.6063, 85.8753,
13.2232

■ 84.2770, 95.3270,
68.6047

 88.9526, 97.3639,
85.7006

 94.1797, 99.6249,
105.5365

95.0500, 100.0000,
108.9000

Harmonies

Analogous

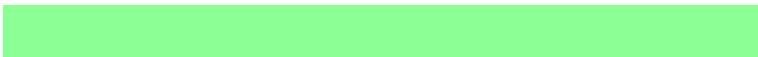
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3528, 89.2248, 22.1731



70.5977, 89.2248, 25.0565



57.0004, 89.2248, 42.5369

Triad

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



70.5977, 89.2248, 25.0565



62.5969, 89.2248, 218.4527



130.8556, 89.2248, 113.5480

Complementary

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



70.5977, 89.2248, 25.0565



30.5873, 20.1676, 96.8884

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.



120.4394, 89.2248, 185.5227



70.5977, 89.2248, 25.0565



79.4900, 89.2248, 260.2793

Square

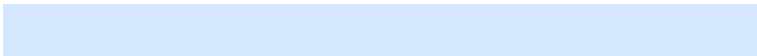
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5977, 89.2248, 25.0565



52.9342, 89.2248, 147.0714



100.8020, 89.2248, 246.2487



127.4318, 89.2248, 60.0369

Rectangle

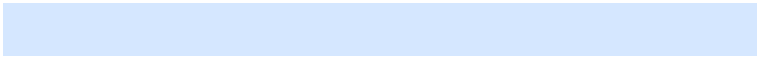
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.5977, 89.2248, 25.0565



52.1764, 89.2248, 66.1873



100.8020, 89.2248, 246.2487



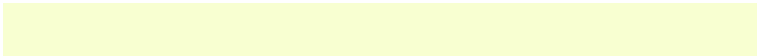
128.8044, 89.2248, 136.5190

Sweetspot

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



70.5978, 89.2248, 25.0577



85.8828, 96.0284, 74.3954



50.3497, 35.9518, 15.8421



18.1010, 20.4311, 14.9071



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.



70.5978, 89.2248, 25.0577



67.7882, 87.9165, 18.5975



51.0929, 79.1697, 24.1449



19.2604, 20.9357, 19.1702



33.3419, 44.9265, 6.9144



3.3192, 4.4119, 0.6766

Inverse Universe

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



30.5873, 20.1676, 96.8884



24.8765, 13.6574, 95.9327



46.2514, 28.2428, 97.6214



17.2723, 17.5166, 22.7206



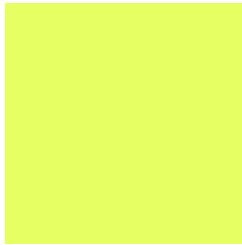
9.9803, 4.0555, 49.6914



1.0454, 0.4328, 4.8417

Previews

White Background



This preview shows how the XYZ color 70.5977, 89.2248, 25.0565 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 70.5977, 89.2248, 25.0565 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 70.5977, 89.2248, 25.0565

Background



This preview shows how black text looks on a background with the XYZ color 70.5977, 89.2248, 25.0565.

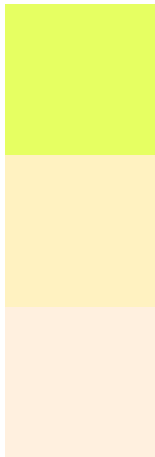


This preview shows how white text looks on a background with the XYZ color 70.5977, 89.2248,

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

70.5977, 89.2248, 25.0565

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

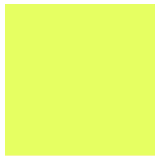
85.7194, 88.9079, 82.4551



Tritanopia

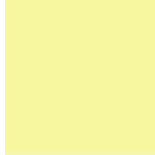
87.2161, 89.1330, 107.2153

Trichromacy



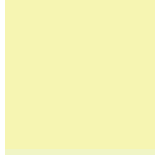
Original Color

70.5977, 89.2248, 25.0565



Protanomaly

77.4384, 88.5830, 45.3645



Deuteranomaly

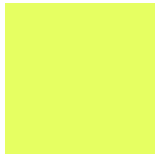
78.6943, 88.1120, 54.9792



Tritanomaly

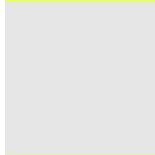
78.7806, 87.9073, 66.2417

Monochromacy



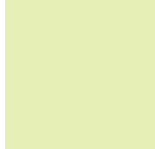
Original Color

70.5977, 89.2248, 25.0565



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9431, 81.9334, 56.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5977, 89.2248, 25.0565 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(230, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 98)  
}
```

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(230, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 98) }
```

Border

The CSS property to change the border of an element to XYZ 70.5977, 89.2248, 25.0565 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(230, 255, 98) }
```


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

```
.border{ border-color:rgb(230, 255, 98) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5977, 89.2248, 25.0565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 98) }
```

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

```
.background{ background-color: rgb(230,  
255, 98) }
```

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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