

Converting Colors

XYZ(81.4867, 110.9539,
33.7464)

Have a look what the booklet for
XYZ(81.4867, 110.9539, 33.7464)
contains.

XYZ(70.5909, 89.1118, 30.0028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.5909, 89.1118,
30.0028)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FF74
RGB	227, 255, 116
RGB Percent	89%, 100%, 45%
CMY	0.1098, 0.0000, 0.5451
CMYK	0.11, 0.00, 0.55, 0.00
HSL	72°, 100%, 73%
HSV	72°, 55%, 100%
XYZ	70.5909, 89.1118, 30.0028
YIQ	230.7820, 27.9310, -49.1650

Conversions

Conversions Part 2

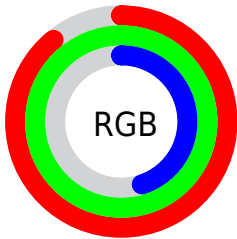
Format	Color
RYB	116, 255, 144
Decimal	14942068
CIELab	95.63, -28.35, 62.31
CIElCh	96, 68.461, 114.464
Yxy	89.1118, 0.3721, 0.4697
Android (android.graphics.Color)	4293132148 (0xFFE3FF74)
YUV	230.7820, -56.5875, -3.3168
Hunter-Lab	94.3990, -31.7174, 47.2352

Details

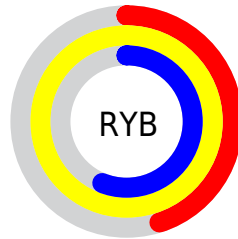
The XYZ color **70.5909, 89.1118, 30.0028** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.7983, 25.6414, 97.6703**, and the grayscale version is **76.1858, 80.1534, 87.2870**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **37.3986, 49.1601, 11.9326** is the 20% darker color. If you saturate the color by 10%, you get **67.7092, 87.7747, 23.1593**, and if you desaturate by 10%, it is **73.9284, 90.6368, 38.9946**.

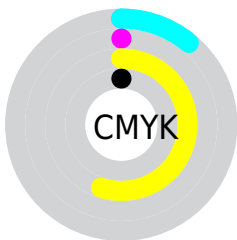
Distribution



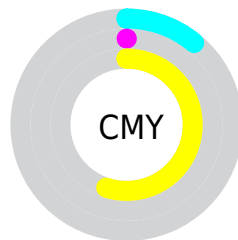
- Red (89%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (56%)



- Cyan (11%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5909, 89.1118, 30.0028 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 70.5909, 89.1118, 30.0028 by changing the saturation by 10% instead.


 70.5909, 89.1118,
30.0028

 70.5909, 89.1118,
30.0028


451.8562,
525.1373, 316.1252


 52.2897, 67.2442,
19.5886


 119.0727,
146.1040, 60.7277

 37.4613, 49.2831,
11.9153


 149.9841,
181.9975, 81.8755

 25.7402, 34.8441,
6.5642


 185.8296,
223.3350, 107.4382

 16.7610, 23.5428,
3.1168

226.9745,
270.5009, 137.8344

 10.1585, 14.9948,
1.1546

273.7843,
323.8797, 173.4827

 5.5672, 8.8158,
0.0000

326.6243,

 2.6219, 4.6212,

383.8558, 214.8016

0.0000

385.8598,
450.8136, 262.2096

■ 0.9571, 2.0268,
0.0000

■ 0.0000, 0.6230,
0.0000

■ 70.5909, 89.1118,
30.0028

■ 70.5909, 89.1118,
30.0028

■ 67.7092, 87.7747,
23.1593

■ 73.9284, 90.6368,
38.9946

■ 65.2481, 86.6114,
18.2804


■ 77.7519, 92.3618,
50.2909


■ 63.1676, 85.6059,
15.1578

■ 82.0894, 94.2981,
64.0373

■ 61.4186, 84.7383,
13.5346

■ 86.9665, 96.4560,
80.3667

 60.5608, 84.3053,
13.0807

 92.4070, 98.8450,
99.4023

95.0500, 100.0000,
108.9000

Harmonies

Analogous

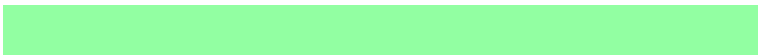
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2341, 89.1118, 26.1507



70.5909, 89.1118, 30.0028



58.5528, 89.1118, 48.4319

Triad

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



70.5909, 89.1118, 30.0028



65.3747, 89.1118, 208.0276



126.0203, 89.1118, 107.3633

Complementary

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



70.5909, 89.1118, 30.0028



35.7983, 25.6414, 97.6703

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.



117.6562, 89.1118, 170.5075



70.5909, 89.1118, 30.0028



81.2579, 89.1118, 240.8818

Square

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



70.5909, 89.1118, 30.0028



55.8680, 89.1118, 146.5331



100.5697, 89.1118, 225.0824



122.0522, 89.1118, 60.1550

Rectangle

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



70.5909, 89.1118, 30.0028



54.4221, 89.1118, 71.8527



100.5697, 89.1118, 225.0824



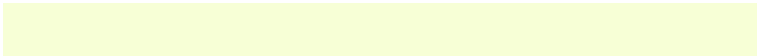
124.5244, 89.1118, 127.4871

Sweetspot

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



70.5911, 89.1119, 30.0040



86.2037, 96.1196, 77.7618



54.3361, 42.4080, 21.8460



18.2302, 20.4760, 15.8959



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.



70.5911, 89.1119, 30.0040



67.5786, 87.7136, 22.8750



52.9548, 80.0201, 29.1787



19.1817, 20.8951, 19.1665



31.7700, 44.1161, 6.8408



3.1799, 4.3401, 0.6701

Inverse Universe

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



35.7983, 25.6414, 97.6703



29.7602, 18.5909, 96.6276



51.8239, 33.9030, 98.4202



17.3447, 17.5539, 22.7240



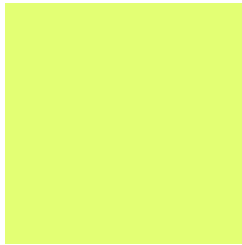
10.2504, 4.1948, 49.7040



1.0820, 0.4517, 4.8434

Previews

White Background



This preview shows how the XYZ color 70.5909, 89.1118, 30.0028 looks on a white background.

Color Contrast Check

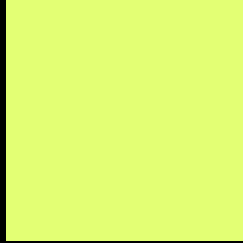
Large Text (above 18pt) WCAG AA × Fail

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 70.5909, 89.1118, 30.0028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

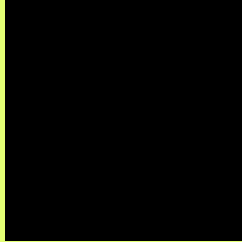
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5909, 89.1118, 30.0028

Background



This preview shows how black text looks on a background with the XYZ color 70.5909, 89.1118, 30.0028.

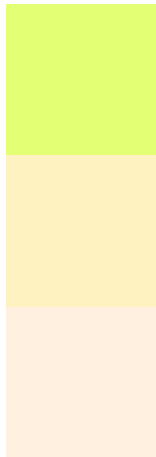


This preview shows how white text looks on a background with the XYZ color 70.5909, 89.1118,

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

70.5909, 89.1118, 30.0028

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

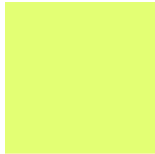
85.7194, 88.9079, 82.4551



Tritanopia

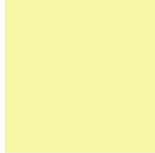
86.1722, 88.5949, 107.1665

Trichromacy



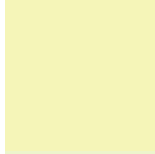
Original Color

70.5909, 89.1118, 30.0028



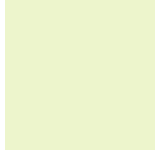
Protanomaly

77.7085, 88.6506, 48.6129



Deuteranomaly

78.9603, 88.1780, 58.2058



Tritanomaly

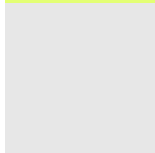
78.4765, 87.6690, 69.9124

Monochromacy



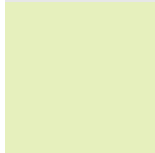
Original Color

70.5909, 89.1118, 30.0028



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9785, 82.8173, 60.2831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5909, 89.1118, 30.0028 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(227, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 116)  
}
```

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(227, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 116) }
```

Border

The CSS property to change the border of an element to XYZ 70.5909, 89.1118, 30.0028 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(227, 255, 116) }
```


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

```
.border{ border-color:rgb(227, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5909, 89.1118, 30.0028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 116) }
```

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

```
.background{ background-color: rgb(227,  
255, 116) }
```

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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