

Converting Colors

XYZ(81.1716, 109.5869,
33.2110)

Have a look what the booklet for
XYZ(81.1716, 109.5869, 33.2110)
contains.

XYZ(71.1676, 89.4158, 29.7277)	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(71.1676, 89.4158,
29.7277)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FF73
RGB	229, 255, 115
RGB Percent	90%, 100%, 45%
CMY	0.1020, 0.0000, 0.5490
CMYK	0.10, 0.00, 0.55, 0.00
HSL	71°, 100%, 73%
HSV	71°, 55%, 100%
XYZ	71.1676, 89.4158, 29.7277
YIQ	231.2660, 29.4440, -49.0520

Conversions

Conversions Part 2

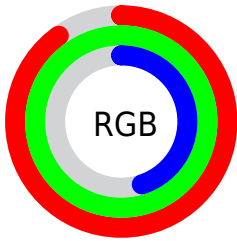
Format	Color
R_{YB}	115, 255, 141
Decimal	15073139
CIE _{Lab}	95.75, -27.67, 62.93
CIE _{LCh}	96, 68.746, 113.732
Yxy	89.4158, 0.3740, 0.4698
Android (android.graphics.Color)	4293263219 (0xFFE5FF73)
YUV	231.2660, -57.3191, -1.9873
Hunter-Lab	94.5599, -31.1374, 47.5524

Details

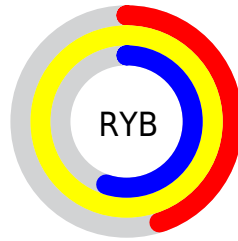
The XYZ color **71.1676, 89.4158, 29.7277** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.1664, 25.1455, 97.6078**, and the grayscale version is **76.5515, 80.5381, 87.7060**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **37.8043, 49.3723, 11.8123** is the 20% darker color. If you saturate the color by 10%, you get **68.4067, 88.1392, 22.9697**, and if you desaturate by 10%, it is **74.3758, 90.8761, 38.6271**.

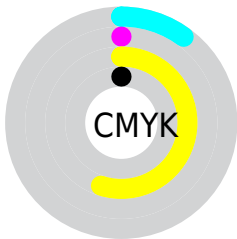
Distribution



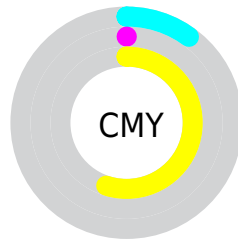
- Red (90%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (55%)



- Cyan (10%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.1676, 89.4158, 29.7277 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 71.1676, 89.4158, 29.7277 by changing the saturation by 10% instead.


 71.1676, 89.4158,
29.7277

 71.1676, 89.4158,
29.7277


453.8418,
526.1286, 314.8008


 52.7620, 67.4962,
19.3817


 119.8896,
146.5266, 60.2872

 37.8395, 49.4880,
11.7668


 150.9366,
182.4867, 81.3378

 26.0348, 35.0067,
6.4645


 186.9282,
223.8957, 106.7936

 16.9825, 23.6681,
3.0562

228.2298,
271.1380, 137.0733

 10.3172, 15.0876,
1.1234

275.2065,
324.5981, 172.5953

 5.6737, 8.8809,
0.0000

328.2239,

 2.6865, 4.6636,

384.6603, 213.7782

0.0000

387.6472,
451.7090, 261.0405

■ 0.9902, 2.0512,
0.0000

■ 0.0000, 0.6370,
0.0000

■ 71.1676, 89.4158,
29.7277

■ 71.1676, 89.4158,
29.7277

■ 68.4067, 88.1392,
22.9697

■ 74.3758, 90.8761,
38.6271

■ 66.0580, 87.0323,
18.1684

■ 78.0617, 92.5322,
49.8245

■ 64.0813, 86.0788,
15.1141

■ 82.2533, 94.3954,
63.4665

■ 62.4270, 85.2589,
13.5473

■ 86.9762, 96.4761,
79.6860

■ 61.6716, 84.8779,
13.1326

■ 92.2542, 98.7836,
98.6067

95.0500, 100.0000,
108.9000

Harmonies

Analogous

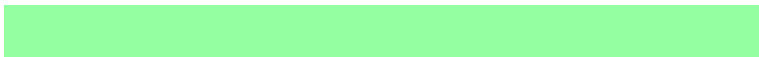
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0217, 89.4158, 26.1667



71.1676, 89.4158, 29.7277



58.8959, 89.4158, 47.8085

Triad

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



71.1676, 89.4158, 29.7277



65.2282, 89.4158, 207.8660



126.5301, 89.4158, 109.1842

Complementary

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



71.1676, 89.4158, 29.7277



35.1664, 25.1455, 97.6078

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.



117.8297, 89.4158, 172.9307



71.1676, 89.4158, 29.7277



81.0762, 89.4158, 242.0257

Square

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



71.1676, 89.4158, 29.7277



55.8395, 89.4158, 145.6101



100.4888, 89.4158, 227.3059



122.8382, 89.4158, 61.1521

Rectangle

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



71.1676, 89.4158, 29.7277



54.6239, 89.4158, 70.9875



100.4888, 89.4158, 227.3059



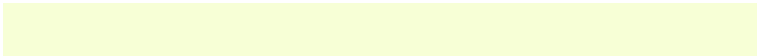
124.9212, 89.4158, 129.5648

Sweetspot

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



71.1677, 89.4159, 29.7289



86.4301, 96.2363, 77.7724



53.8110, 41.4505, 21.3855



18.2846, 20.5040, 15.8984



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.



71.1677, 89.4159, 29.7289



68.1289, 88.0095, 22.3495



53.2196, 80.1632, 28.8890



19.2110, 20.9102, 19.1679



32.3436, 44.4118, 6.8677



3.2309, 4.3663, 0.6725

Inverse Universe

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



35.1664, 25.1455, 97.6078



28.8993, 17.8365, 96.5274



50.9501, 33.2823, 98.3465



17.3177, 17.5400, 22.7228



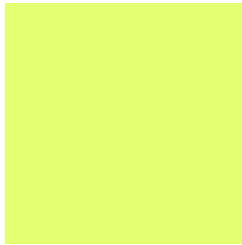
10.1424, 4.1391, 49.6989



1.0677, 0.4443, 4.8428

Previews

White Background



This preview shows how the XYZ color 71.1676, 89.4158, 29.7277 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 71.1676, 89.4158, 29.7277 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 71.1676, 89.4158, 29.7277

Background



This preview shows how black text looks on a background with the XYZ color 71.1676, 89.4158, 29.7277.

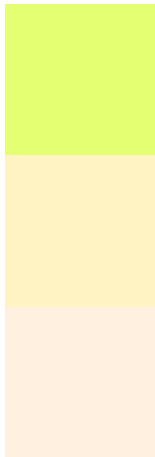


This preview shows how white text looks on a background with the XYZ color 71.1676, 89.4158,

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

71.1676, 89.4158, 29.7277

Protanopia

82.8425, 88.7044, 64.3852

Deuteranopia

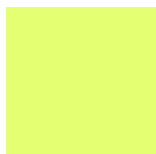
85.8546, 88.9620, 83.1674



Tritanopia

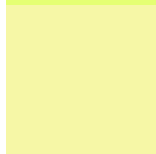
86.8663, 88.9527, 107.1990

Trichromacy



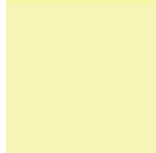
Original Color

71.1676, 89.4158, 29.7277



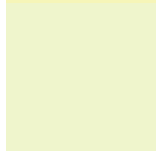
Protanomaly

78.1497, 88.8675, 49.1106



Deuteranomaly

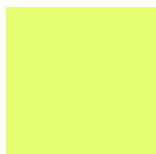
79.3102, 88.3583, 58.2222



Tritanomaly

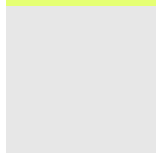
79.1481, 88.0152, 69.9438

Monochromacy



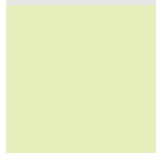
Original Color

71.1676, 89.4158, 29.7277



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 71.1676, 89.4158, 29.7277 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(229, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 115)  
}
```

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(229, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 115) }
```

Border

The CSS property to change the border of an element to XYZ 71.1676, 89.4158, 29.7277 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(229, 255, 115) }
```


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

```
.border{ border-color:rgb(229, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1676, 89.4158, 29.7277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 115) }
```

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

```
.background{ background-color: rgb(229,  
255, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor