

Converting Colors

XYZ(69.5211, 88.7572, 21.0571)

Have a look what the booklet for
XYZ(69.5211, 88.7572, 21.0571)
contains.

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Color

**XYZ(69.5211, 88.7572,
21.0571)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FF50
RGB	229, 255, 80
RGB Percent	90%, 100%, 31%
CMY	0.1020, 0.0000, 0.6863
CMYK	0.10, 0.00, 0.69, 0.00
HSL	69°, 100%, 66%
HSV	69°, 69%, 100%
XYZ	69.5211, 88.7572, 21.0571
YIQ	227.2760, 40.6790, -59.9370

Conversions

Conversions Part 2

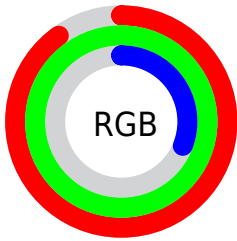
Format	Color
R_YB	80, 255, 106
Decimal	15073104
CIE Lab	95.48, -30.01, 76.55
CIE LCh	95, 82.220, 111.408
Yxy	88.7572, 0.3877, 0.4949
Android (android.graphics.Color)	4293263184 (0xFFE5FF50)
YUV	227.2760, -72.6071, 1.5119
Hunter-Lab	94.2110, -33.1489, 52.6958

Details

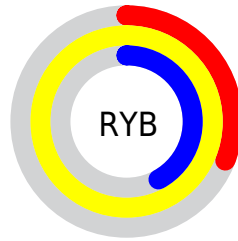
The XYZ color **69.5211, 88.7572, 21.0571** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light muted yellow. A complement of this color would be **26.8637, 16.0228, 96.2846**, and the grayscale version is **73.7057, 77.5442, 84.4456**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **36.7716, 48.9342, 7.5072** is the 20% darker color. If you saturate the color by 10%, you get **67.5549, 87.8326, 16.9455**, and if you desaturate by 10%, it is **71.8711, 89.8384, 27.0539**.

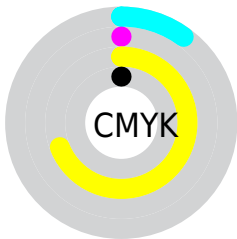
Distribution



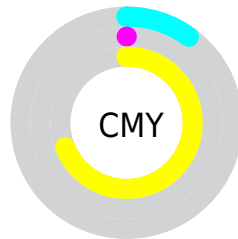
- Red (90%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5211, 88.7572, 21.0571 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 69.5211, 88.7572, 21.0571 by changing the saturation by 10% instead.

69.5211, 88.7572,
21.0571

69.5211, 88.7572,
21.0571

448.1594,
523.9797, 270.3728

51.4144, 66.9503,
12.9741

117.5556,
145.6109, 46.0646

36.7609, 49.0443,
7.2802

148.2140,
181.4265, 63.8261

25.1952, 34.6546,
3.5568

183.7871,
222.6805, 85.6509

16.3521, 23.3969,
1.3855

224.6402,
269.7572, 111.9575

9.8661, 14.8869,
0.1304

271.1386,
323.0411, 143.1645

5.3718, 8.7400,
0.0000

323.6477,

2.5040, 4.5720,

382.9166, 179.6903

0.0000

382.5328,
449.7680, 221.9536

■ 0.8973, 1.9984,
0.0000

■ 0.0000, 0.6065,
0.0000

■ 69.5211, 88.7572,
21.0571

■ 69.5211, 88.7572,
21.0571

■ 67.5549, 87.8326,
16.9455

■ 71.8711, 89.8384,
27.0539

■ 65.9293, 87.0472,
14.4897

■ 74.6411, 91.0907,
35.1231

■ 64.5831, 86.3766,
13.3691

■ 77.8632, 92.5268,
45.4332

■ 64.4087, 86.2889,
13.2607

■ 81.5660, 94.1584,
58.1346

85.7758, 95.9959,
73.3645

90.5168, 98.0490,
91.2499

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.



90.9973, 88.7572, 18.5677



69.5211, 88.7572, 21.0571



54.8387, 88.7572, 38.0871

Triad

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



69.5211, 88.7572, 21.0571



60.1295, 88.7572, 229.6005



134.8327, 88.7572, 116.3788

Complementary

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



69.5211, 88.7572, 21.0571



26.8637, 16.0228, 96.2846

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.



122.9369, 88.7572, 196.4800



69.5211, 88.7572, 21.0571



78.0556, 88.7572, 278.4525

Square

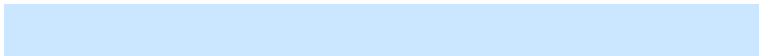
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5211, 88.7572, 21.0571



50.1258, 88.7572, 149.3467



101.1755, 88.7572, 264.1946



131.4414, 88.7572, 58.0730

Rectangle

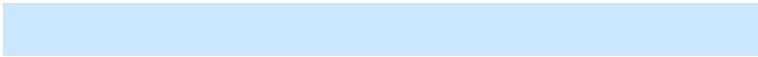
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5211, 88.7572, 21.0571



49.6130, 88.7572, 62.2482



101.1755, 88.7572, 264.1946



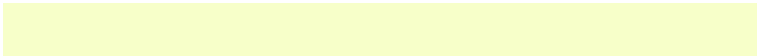
132.4222, 88.7572, 141.8203

Sweetspot

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



69.5211, 88.7572, 21.0583



84.7288, 95.5403, 69.5117



47.5722, 31.6073, 11.1841



17.8829, 20.3394, 13.9594



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.



69.5211, 88.7572, 21.0583



66.9706, 87.5529, 15.9441



48.7396, 78.0439, 20.0857



19.2804, 20.9460, 19.1711



33.7557, 45.1398, 6.9337



3.3556, 4.4306, 0.6783

Inverse Universe

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



26.8637, 16.0228, 96.2846



22.0811, 10.7426, 95.5175



42.3636, 24.0133, 97.0100



17.2541, 17.5072, 22.7198



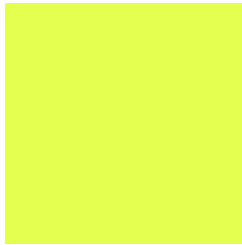
9.9219, 4.0254, 49.6886



1.0369, 0.4284, 4.8413

Previews

White Background



This preview shows how the XYZ color 69.5211, 88.7572, 21.0571 looks on a white background.

Color Contrast Check

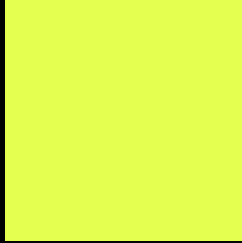
Large Text (above 18pt) WCAG AA × Fail

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 69.5211, 88.7572, 21.0571 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 69.5211, 88.7572, 21.0571

Background



This preview shows how black text looks on a background with the XYZ color 69.5211, 88.7572, 21.0571.



This preview shows how white text looks on a background with the XYZ color 69.5211, 88.7572,

Color Blindness Simulation

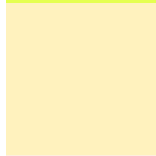
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



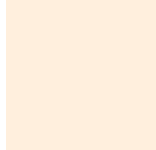
Original Color

69.5211, 88.7572, 21.0571



Protanopia

82.2864, 88.4820, 61.4570



Deuteranopia

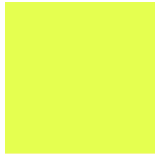
85.1576, 88.2135, 80.9452



Tritanopia

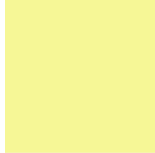
86.9225, 88.5458, 107.1175

Trichromacy



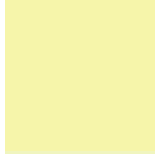
Original Color

69.5211, 88.7572, 21.0571



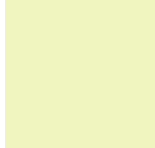
Protanomaly

76.7718, 88.3164, 41.8546



Deuteranomaly

77.9141, 87.7999, 50.8708



Tritanomaly

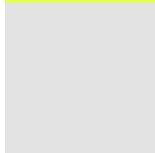
77.9916, 87.5917, 62.0865

Monochromacy



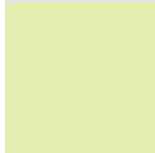
Original Color

69.5211, 88.7572, 21.0571



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.9191, 80.1183, 51.8237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5211, 88.7572, 21.0571 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 80) }
```

Border

The CSS property to change the border of an element to XYZ 69.5211, 88.7572, 21.0571 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, 80) }
```


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

```
.border{ border-color:rgb(229, 255, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5211, 88.7572, 21.0571 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, 80) }
```

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

```
.background{ background-color: rgb(229,  
255, 80) }
```

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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