

Converting Colors

XYZ(75.3289, 99.8722, 29.4581)

Have a look what the booklet for
XYZ(75.3289, 99.8722, 29.4581)
contains.

XYZ(69.8308, 88.7715, 27.6415)	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(69.8308, 88.7715,
27.6415)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FF6C
RGB	226, 255, 108
RGB Percent	89%, 100%, 42%
CMY	0.1137, 0.0000, 0.5765
CMYK	0.11, 0.00, 0.58, 0.00
HSL	72°, 100%, 71%
HSV	72°, 58%, 100%
XYZ	69.8308, 88.7715, 27.6415
YIQ	229.5710, 29.9030, -51.8650

Conversions

Conversions Part 2

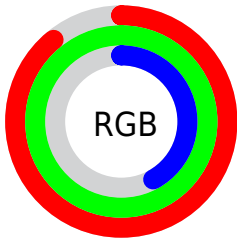
Format	Color
RYB	108, 255, 137
Decimal	14876524
CIELab	95.48, -29.37, 65.58
CIELCh	95, 71.853, 114.125
Yxy	88.7715, 0.3749, 0.4766
Android (android.graphics.Color)	4293066604 (0xFFE2FF6C)
YUV	229.5710, -59.9345, -3.1318
Hunter-Lab	94.2186, -32.5861, 48.5588

Details

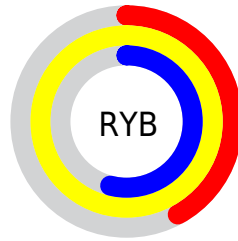
The XYZ color **69.8308, 88.7715, 27.6415** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **33.7303, 23.2648, 97.3205**, and the grayscale version is **75.3093, 79.2313, 86.2828**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **36.9401, 48.9520, 10.6337** is the 20% darker color. If you saturate the color by 10%, you get **67.1115, 87.5041, 21.4365**, and if you desaturate by 10%, it is **72.9934, 90.2214, 35.9407**.

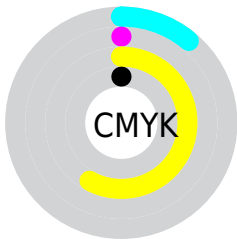
Distribution



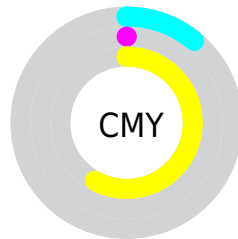
- Red (89%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8308, 88.7715, 27.6415 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 69.8308, 88.7715, 27.6415 by changing the saturation by 10% instead.


 69.8308, 88.7715,
27.6415

 69.8308, 88.7715,
27.6415


449.2314,
524.0264, 304.6077


 51.6677, 66.9622,
17.8189


 117.9950,
145.6308, 56.9278

 36.9635, 49.0539,
10.6520


 148.7269,
181.4495, 77.2285

 25.3528, 34.6622,
5.7221

 184.3790,
222.7069, 101.8591

 16.4702, 23.4028,
2.6108

225.3167,
269.7872, 131.2380

 9.9504, 14.8912,
0.8980

271.9055,
323.0749, 165.7837

 5.4281, 8.7431,
0.0000

324.5106,

 2.5379, 4.5740,

382.9545, 205.9149

0.0000

383.4975,
449.8102, 252.0501

■ 0.9144, 1.9995,
0.0000

■ 0.0000, 0.6072,
0.0000

■ 69.8308, 88.7715,
27.6415

■ 69.8308, 88.7715,
27.6415

■ 67.1115, 87.5041,
21.4365

■ 72.9934, 90.2214,
35.9407

■ 64.7992, 86.4049,
17.1340


■ 76.6308, 91.8667,
46.4960


■ 62.8514, 85.4568,
14.5136

■ 80.7718, 93.7189,
59.4575

■ 61.2121, 84.6373,
13.2828

■ 85.4426, 95.7884,
74.9613

 60.8518, 84.4553,
13.0943

 90.6675, 98.0851,
93.1335

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.



88.3082, 88.7715, 23.9560



69.8308, 88.7715, 27.6415



57.2715, 88.7715, 46.0344

Triad

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



69.8308, 88.7715, 27.6415



64.0814, 88.7715, 213.7820



127.9025, 88.7715, 108.1818

Complementary

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



69.8308, 88.7715, 27.6415



33.7303, 23.2648, 97.3205

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.



118.9095, 88.7715, 175.1104



69.8308, 88.7715, 27.6415



80.5596, 88.7715, 249.5499

Square

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



69.8308, 88.7715, 27.6415



54.3312, 88.7715, 148.0764



100.8094, 88.7715, 233.1746



123.8459, 88.7715, 58.7766

Rectangle

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



69.8308, 88.7715, 27.6415



52.9542, 88.7715, 69.9353



100.8094, 88.7715, 233.1746



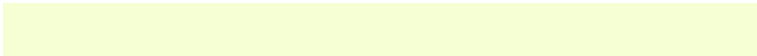
126.2670, 88.7715, 129.4424

Sweetspot

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



69.8309, 88.7715, 27.6427



85.7628, 95.9297, 76.0522



52.6045, 39.6578, 19.0707



18.1450, 20.4394, 15.5592



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.



69.8309, 88.7715, 27.6427



66.7753, 87.3457, 20.7467



51.8989, 79.5272, 26.8035



19.1894, 20.8991, 19.1669



31.9204, 44.1936, 6.8478



3.1933, 4.3470, 0.6707

Inverse Universe

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



33.7303, 23.2648, 97.3205



27.7582, 16.3807, 96.3065



49.5525, 31.4215, 98.0610



17.3375, 17.5502, 22.7237



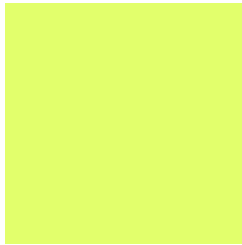
10.2210, 4.1796, 49.7026



1.0781, 0.4497, 4.8433

Previews

White Background



This preview shows how the XYZ color 69.8308, 88.7715, 27.6415 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 69.8308, 88.7715, 27.6415 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 69.8308, 88.7715, 27.6415

Background



This preview shows how black text looks on a background with the XYZ color 69.8308, 88.7715, 27.6415.

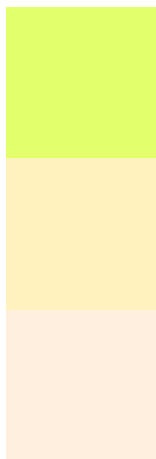


This preview shows how white text looks on a background with the XYZ color 69.8308, 88.7715,

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

69.8308, 88.7715, 27.6415

Protanopia

82.2864, 88.4820, 61.4570

Deuteranopia

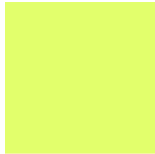
85.2913, 88.2669, 81.6491



Tritanopia

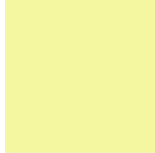
86.1722, 88.5949, 107.1665

Trichromacy



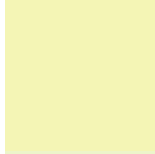
Original Color

69.8308, 88.7715, 27.6415



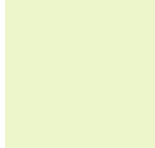
Protanomaly

76.9142, 88.2927, 46.2461



Deuteranomaly

78.3011, 87.8741, 56.5506



Tritanomaly

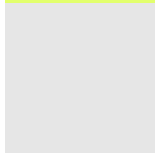
78.2381, 87.5736, 68.6569

Monochromacy



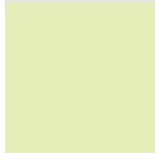
Original Color

69.8308, 88.7715, 27.6415



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0425, 81.9362, 58.4726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8308, 88.7715, 27.6415 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 108) }
```

Border

The CSS property to change the border of an element to XYZ 69.8308, 88.7715, 27.6415 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, 108) }
```


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

```
.border{ border-color:rgb(226, 255, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8308, 88.7715, 27.6415 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, 108) }
```

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

```
.background{ background-color: rgb(226,  
255, 108) }
```

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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