

Converting Colors

XYZ(69.2026, 88.6913, 16.6037)

Have a look what the booklet for
XYZ(69.2026, 88.6913, 16.6037)
contains.

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Color

**XYZ(69.3125, 88.7479,
16.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF33
RGB	231, 255, 51
RGB Percent	91%, 100%, 20%
CMY	0.0941, 0.0000, 0.8000
CMYK	0.09, 0.00, 0.80, 0.00
HSL	67°, 100%, 60%
HSV	67°, 80%, 100%
XYZ	69.3125, 88.7479, 16.6089
YIQ	224.5680, 51.1800, -68.5320

Conversions

Conversions Part 2

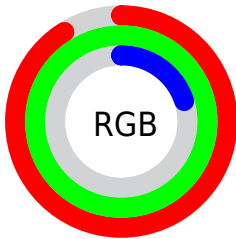
Format	Color
R _Y B	51, 255, 75
Decimal	15204147
CIE Lab	95.47, -30.45, 85.34
CIE LCh	95, 90.604, 109.635
Yxy	88.7479, 0.3968, 0.5081
Android (android.graphics.Color)	4293394227 (0xFFE7FF33)
YUV	224.5680, -85.5690, 5.6409
Hunter-Lab	94.2061, -33.5286, 55.4912

Details

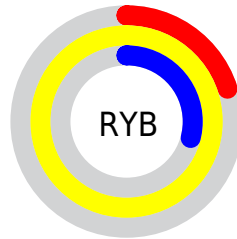
The XYZ color **69.3125, 88.7479, 16.6089** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.1368, 11.0849, 95.5806**, and the grayscale version is **71.8268, 75.5673, 82.2928**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **36.9887, 49.0461, 7.5173** is the 20% darker color. If you saturate the color by 10%, you get **67.9356, 88.0862, 14.3706**, and if you desaturate by 10%, it is **71.0138, 89.5413, 20.4712**.

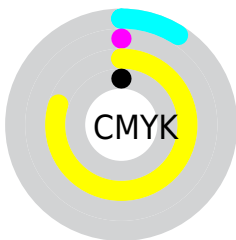
Distribution



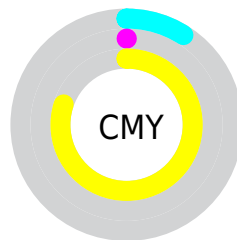
- Red (91%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (29%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3125, 88.7479, 16.6089 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 69.3125, 88.7479, 16.6089 by changing the saturation by 10% instead.

69.3125, 88.7479,
16.6089

69.3125, 88.7479,
16.6089

447.4365,
523.9494, 244.8756

51.2438, 66.9426,
9.7970

117.2594,
145.5979, 38.4335

36.6245, 49.0380,
5.1608

147.8684,
181.4115, 54.2833

25.0892, 34.6496,
2.2815

183.3882,
222.6633, 73.9829

16.2726, 23.3931,
0.7208

224.1841,
269.7377, 97.9507

9.8094, 14.8840,
0.0000

270.6215,
323.0191, 126.6053

5.3340, 8.7380,
0.0000

323.0659,

2.4813, 4.5707,

382.8919, 160.3653

0.0000

381.8824,
449.7405, 199.6492

■ 0.8858, 1.9977,
0.0000

■ 0.0000, 0.6061,
0.0000

■ 69.3125, 88.7479,
16.6089

■ 69.3125, 88.7479,
16.6089

■ 67.9356, 88.0862,
14.3706

■ 71.0138, 89.5413,
20.4712

■ 66.8110, 87.5274,
13.3735

■ 73.0837, 90.4840,
26.1863

■ 66.8105, 87.5271,
13.3731

■ 75.5593, 91.5909,
33.9499

■ 78.4728, 92.8750,
43.9322

■ 81.8534, 94.3478,
56.2855

■ 85.7275, 96.0200,
71.1486

■ 90.1195, 97.9013,
88.6499

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.



93.2322, 88.7479, 14.9038



69.3125, 88.7479, 16.6089



52.9681, 88.7479, 32.3956

Triad

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



69.3125, 88.7479, 16.6089



57.0682, 88.7479, 242.6344



140.5359, 88.7479, 123.3638

Complementary

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



69.3125, 88.7479, 16.6089



22.1368, 11.0849, 95.5806

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.



126.1835, 88.7479, 214.9128



69.3125, 88.7479, 16.6089



76.0548, 88.7479, 303.0337

Square

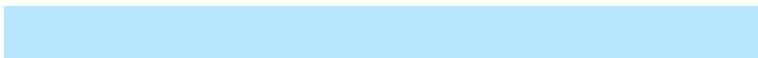
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.3125, 88.7479, 16.6089



46.9186, 88.7479, 150.2104



101.4239, 88.7479, 290.9514



137.7496, 88.7479, 57.6006

Rectangle

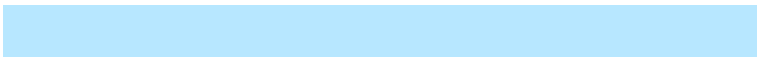
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3125, 88.7479, 16.6089



47.0595, 88.7479, 56.4489



101.4239, 88.7479, 290.9514



137.4612, 88.7479, 152.4179

Sweetspot

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



69.3125, 88.7479, 16.6101



84.1155, 95.3259, 64.8876



44.3409, 26.5054, 5.9122



17.7118, 20.2774, 12.7708



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.



69.3125, 88.7479, 16.6101



67.2419, 87.7431, 13.6850



45.4424, 76.4424, 15.4930



19.3384, 20.9759, 19.1738



34.9936, 45.7779, 6.9917



3.4642, 4.4866, 0.6834

Inverse Universe

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



22.1368, 11.0849, 95.5806



18.9975, 7.8728, 95.1261



37.3211, 18.9127, 96.2912



17.2015, 17.4801, 22.7173



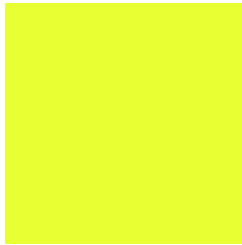
9.7736, 3.9489, 49.6817



1.0122, 0.4157, 4.8402

Previews

White Background



This preview shows how the XYZ color 69.3125, 88.7479, 16.6089 looks on a white background.

Color Contrast Check

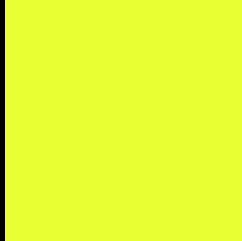
Large Text (above 18pt) WCAG AA × Fail

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 69.3125, 88.7479, 16.6089 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 69.3125, 88.7479, 16.6089

Background



This preview shows how black text looks on a background with the XYZ color 69.3125, 88.7479, 16.6089.



This preview shows how white text looks on a background with the XYZ color 69.3125, 88.7479,

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



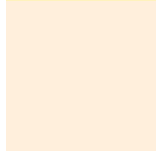
Original Color

69.3125, 88.7479, 16.6089



Protanopia

82.1774, 88.4384, 60.8832



Deuteranopia

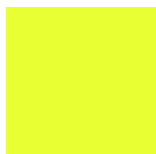
85.0248, 88.1603, 80.2455



Tritanopia

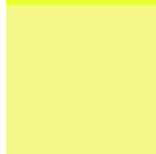
87.6915, 88.5088, 107.0698

Trichromacy



Original Color

69.3125, 88.7479, 16.6089



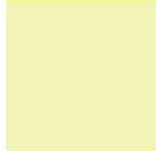
Protanomaly

75.9270, 87.9784, 37.4059



Deuteranomaly

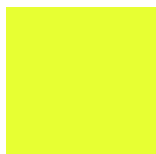
76.9165, 87.4008, 45.6170



Tritanomaly

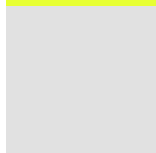
77.3091, 86.9148, 56.4177

Monochromacy



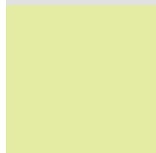
Original Color

69.3125, 88.7479, 16.6089



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.1956, 78.9304, 45.8232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3125, 88.7479, 16.6089 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(231, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 51)  
}
```

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(231, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 69.3125, 88.7479, 16.6089 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(231, 255, 51) }
```


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

```
.border{ border-color:rgb(231, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3125, 88.7479, 16.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 51) }
```

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

```
.background{ background-color: rgb(231,  
255, 51) }
```

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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