

Converting Colors

XYZ(69.2281, 88.7142, 16.1642)

Have a look what the booklet for
XYZ(69.2281, 88.7142, 16.1642)
contains.

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Color

**XYZ(69.2281, 88.7142,
16.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF2F
RGB	231, 255, 47
RGB Percent	91%, 100%, 18%
CMY	0.0941, 0.0000, 0.8156
CMYK	0.09, 0.00, 0.82, 0.00
HSL	67°, 100%, 59%
HSV	67°, 82%, 100%
XYZ	69.2281, 88.7142, 16.1642
YIQ	224.1120, 52.4640, -69.7760

Conversions

Conversions Part 2

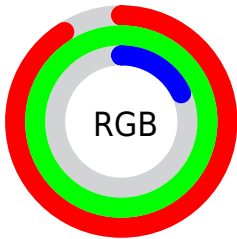
Format	Color
RYB	47, 255, 71
Decimal	15204143
CIELab	95.46, -30.57, 86.27
CIELCh	95, 91.529, 109.509
Yxy	88.7142, 0.3976, 0.5095
Android (android.graphics.Color)	4293394223 (0xFFE7FF2F)
YUV	224.1120, -87.3162, 6.0408
Hunter-Lab	94.1882, -33.6323, 55.7566

Details

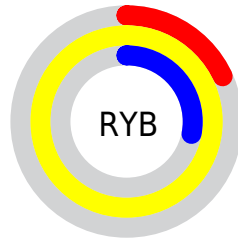
The XYZ color **69.2281, 88.7142, 16.1642** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.6664, 10.5940, 95.5106**, and the grayscale version is **71.5104, 75.2345, 81.9304**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **36.9887, 49.0461, 7.5173** is the 20% darker color. If you saturate the color by 10%, you get **67.9130, 88.0793, 14.1562**, and if you desaturate by 10%, it is **70.8590, 89.4772, 19.7549**.

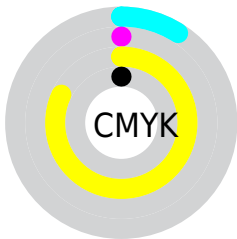
Distribution



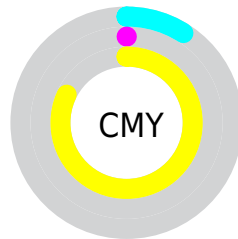
- Red (91%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (28%)



- Cyan (9%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.2281, 88.7142, 16.1642 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 69.2281, 88.7142, 16.1642 by changing the saturation by 10% instead.


 69.2281, 88.7142,
16.1642

 69.2281, 88.7142,
16.1642


447.1439,
523.8393, 242.1874


 51.1748, 66.9147,
9.4848


 117.1396,
145.5511, 37.6538


 36.5694, 49.0153,
4.9576


 147.7285,
181.3572, 53.3010


 25.0464, 34.6316,
2.1641


 183.2267,
222.6011, 72.7747

 16.2405, 23.3793,
0.6535

 223.9995,
269.6670, 96.4932

 9.7864, 14.8738,
0.0000

 270.4122,
322.9394, 124.8752

 5.3188, 8.7309,
0.0000

322.8303,

 2.4722, 4.5661,

382.8026, 158.3392

0.0000

381.6191,
449.6411, 197.3038

■ 0.8812, 1.9950,
0.0000

■ 0.0000, 0.6046,
0.0000

■ 69.2281, 88.7142,
16.1642

■ 69.2281, 88.7142,
16.1642

■ 67.9130, 88.0793,
14.1562

■ 70.8590, 89.4772,
19.7549

■ 66.9907, 87.6200,
13.3816

■ 72.8516, 90.3867,
25.1648

■ 75.2437, 91.4579,
32.5945

■ 78.0683, 92.7040,
42.2175

■ 81.3550, 94.1368,
54.1886

■ 85.1306, 95.7670,
68.6485

■ 89.4196, 97.6045,
85.7271

■ 94.2452, 99.6586,
105.5449

■ 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.



93.4027, 88.7142, 14.5178



69.2281, 88.7142, 16.1642



52.7231, 88.7142, 31.8342

Triad

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



69.2281, 88.7142, 16.1642



56.7392, 88.7142, 244.1710



141.1382, 88.7142, 123.9667

Complementary

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



69.2281, 88.7142, 16.1642



21.6664, 10.5940, 95.5106

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.



126.5378, 88.7142, 216.7868



69.2281, 88.7142, 16.1642



75.8464, 88.7142, 305.7856

Square

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



69.2281, 88.7142, 16.1642



46.5637, 88.7142, 150.4080



101.4602, 88.7142, 293.8345



138.3912, 88.7142, 57.4445

Rectangle

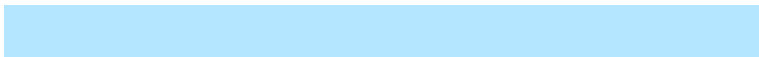
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2281, 88.7142, 16.1642



46.7540, 88.7142, 55.8880



101.4602, 88.7142, 293.8345



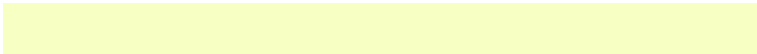
137.9988, 88.7142, 153.4118

Sweetspot

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



69.2281, 88.7141, 16.1654



84.1645, 95.3512, 64.8899



43.8090, 25.5766, 5.3183



17.7238, 20.2836, 12.7714



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.



69.2281, 88.7141, 16.1654



67.2031, 87.7263, 13.5373



45.5110, 76.4875, 15.0554



19.3427, 20.9781, 19.1740



35.0864, 45.8258, 6.9960



3.4723, 4.4908, 0.6838

Inverse Universe

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



21.6664, 10.5940, 95.5106



18.7630, 7.6697, 95.0992



36.0373, 18.0025, 96.1832



17.1976, 17.4781, 22.7171



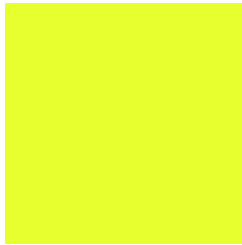
9.7639, 3.9440, 49.6812



1.0104, 0.4148, 4.8401

Previews

White Background



This preview shows how the XYZ color 69.2281, 88.7142, 16.1642 looks on a white background.

Color Contrast Check

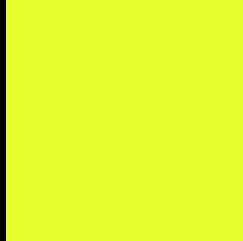
Large Text (above 18pt) WCAG AA × Fail

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 69.2281, 88.7142, 16.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

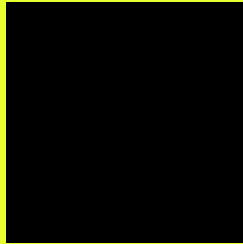
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2281, 88.7142, 16.1642

Background



This preview shows how black text looks on a background with the XYZ color 69.2281, 88.7142, 16.1642.

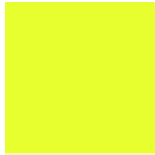


This preview shows how white text looks on a background with the XYZ color 69.2281, 88.7142,

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

69.2281, 88.7142, 16.1642



Protanopia

82.1774, 88.4384, 60.8832



Deuteranopia

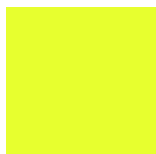
85.0248, 88.1603, 80.2455



Tritanopia

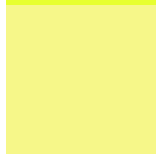
87.6915, 88.5088, 107.0698

Trichromacy



Original Color

69.2281, 88.7142, 16.1642



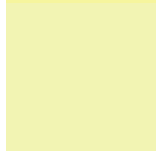
Protanomaly

75.7822, 87.9205, 36.6431



Deuteranomaly

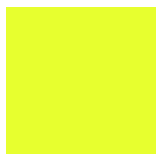
76.7442, 87.3320, 44.7102



Tritanomaly

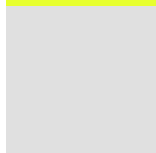
77.1053, 86.8333, 55.3444

Monochromacy



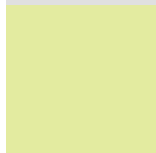
Original Color

69.2281, 88.7142, 16.1642



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.7320, 78.2856, 44.7985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2281, 88.7142, 16.1642 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 47) }
```

Border

The CSS property to change the border of an element to XYZ 69.2281, 88.7142, 16.1642 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, 47) }
```


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

```
.border{ border-color:rgb(231, 255, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2281, 88.7142, 16.1642 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, 47) }
```

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

```
.background{ background-color: rgb(231,  
255, 47) }
```

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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