

Converting Colors

XYZ(69.7053, 88.7704, 24.7629)

Have a look what the booklet for
XYZ(69.7053, 88.7704, 24.7629)
contains.

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Color

**XYZ(69.5962, 88.7140,
24.7647)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FF61
RGB	227, 255, 97
RGB Percent	89%, 100%, 38%
CMY	0.1098, 0.0000, 0.6196
CMYK	0.11, 0.00, 0.62, 0.00
HSL	71°, 100%, 69%
HSV	71°, 62%, 100%
XYZ	69.5962, 88.7140, 24.7647
YIQ	228.6160, 34.0300, -55.0740

Conversions

Conversions Part 2

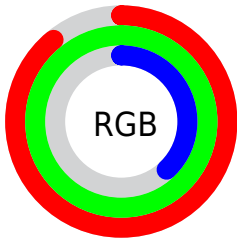
Format	Color
R _Y B	97, 255, 125
Decimal	14942049
CIE Lab	95.46, -29.77, 70.09
CIE LCh	95, 76.152, 113.013
Yxy	88.7140, 0.3802, 0.4846
Android (android.graphics.Color)	4293132129 (0xFFE3FF61)
YUV	228.6160, -64.8867, -1.4172
Hunter-Lab	94.1881, -32.9344, 50.3427

Details

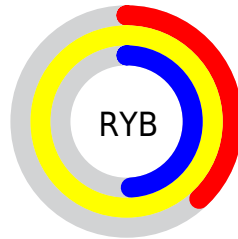
The XYZ color **69.5962, 88.7140, 24.7647** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.7834, 20.1307, 96.8709**, and the grayscale version is **74.6374, 78.5244, 85.5131**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **36.6459, 48.8343, 9.0846** is the 20% darker color. If you saturate the color by 10%, you get **67.1851, 87.5870, 19.4115**, and if you desaturate by 10%, it is **72.4269, 90.0130, 32.1338**.

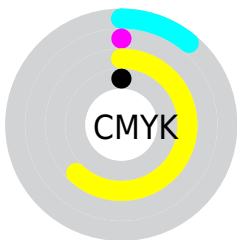
Distribution



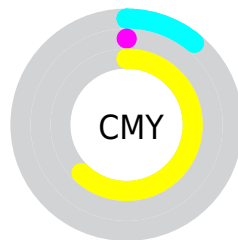
- Red (89%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (49%)



- Cyan (11%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5962, 88.7140, 24.7647 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 69.5962, 88.7140, 24.7647 by changing the saturation by 10% instead.


 69.5962, 88.7140,
24.7647

 69.5962, 88.7140,
24.7647


448.4195,
523.8386, 290.0742

 51.4758, 66.9145,
15.6844


 117.6621,
145.5508, 52.2346

 36.8100, 49.0152,
9.1492


 148.3384,
181.3569, 71.4613

 25.2334, 34.6315,
4.7405


 183.9307,
222.6007, 94.9073

 16.3807, 23.3792,
2.0397

 224.8043,
269.6666, 122.9910

 9.8865, 14.8737,
0.5796

271.3246,
322.9389, 156.1310

 5.3855, 8.7308,
0.0000

323.8570,

 2.5122, 4.5660,

382.8021, 194.7458

0.0000

382.7669,
449.6405, 239.2540

■ 0.9014, 1.9950,
0.0000

■ 0.0000, 0.6045,
0.0000

■ 69.5962, 88.7140,
24.7647

■ 69.5962, 88.7140,
24.7647

■ 67.1851, 87.5870,
19.4115

■ 72.4269, 90.0130,
32.1338

■ 65.1550, 86.6167,
15.8700

■ 75.7103, 91.4976,
41.6895

■ 63.4597, 85.7846,
13.8990

■ 79.4764, 93.1796,
53.5885

■ 62.2836, 85.1934,
13.1613

■ 83.7522, 95.0700,
67.9720

■ 88.5627, 97.1786,
84.9702

■ 93.9312, 99.5149,
104.7042

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

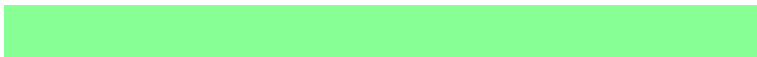
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2919, 88.7140, 21.5689



69.5962, 88.7140, 24.7647



56.1766, 88.7140, 42.6702

Triad

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



69.5962, 88.7140, 24.7647



62.4245, 88.7140, 220.4143



130.7075, 88.7140, 111.2467

Complementary

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



69.5962, 88.7140, 24.7647



30.7834, 20.1307, 96.8709

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.



120.5734, 88.7140, 183.4595



69.5962, 88.7140, 24.7647



79.5362, 88.7140, 261.2799

Square

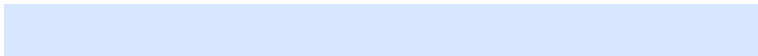
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5962, 88.7140, 24.7647



52.5377, 88.7140, 148.8003



100.9865, 88.7140, 245.5216



126.8704, 88.7140, 58.2977

Rectangle

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



69.5962, 88.7140, 24.7647



51.4929, 88.7140, 66.7804



100.9865, 88.7140, 245.5216



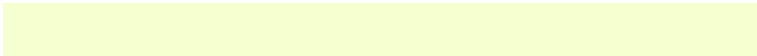
128.7729, 88.7140, 134.1762

Sweetspot

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



69.5962, 88.7139, 24.7659



85.1188, 95.6707, 72.7235



50.5228, 36.3730, 15.6683



17.9360, 20.3531, 14.5819



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.



69.5962, 88.7139, 24.7659



66.7411, 87.3767, 18.5485



50.4349, 78.8359, 23.8691



19.2268, 20.9184, 19.1686



32.6595, 44.5747, 6.8824



3.2589, 4.3808, 0.6738

Inverse Universe

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



30.7834, 20.1307, 96.8709



25.2429, 13.8462, 95.9499



46.7730, 28.3737, 97.6192



17.3031, 17.5325, 22.7221



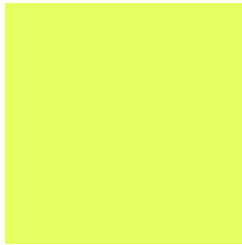
10.0877, 4.1109, 49.6964



1.0603, 0.4405, 4.8424

Previews

White Background



This preview shows how the XYZ color 69.5962, 88.7140, 24.7647 looks on a white background.

Color Contrast Check

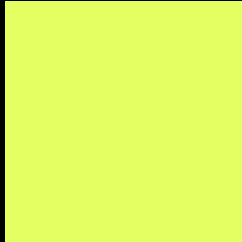
Large Text (above 18pt) WCAG AA × Fail

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 69.5962, 88.7140, 24.7647 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 69.5962, 88.7140, 24.7647

Background



This preview shows how black text looks on a background with the XYZ color 69.5962, 88.7140, 24.7647.

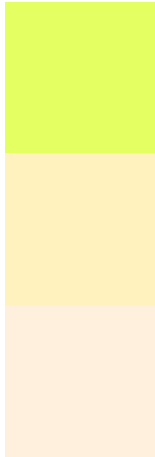


This preview shows how white text looks on a background with the XYZ color 69.5962, 88.7140,

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

69.5962, 88.7140, 24.7647

Protanopia

82.2864, 88.4820, 61.4570

Deuteranopia

85.1576, 88.2135, 80.9452



Tritanopia

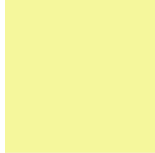
86.2247, 88.1861, 107.0848

Trichromacy



Original Color

69.5962, 88.7140, 24.7647



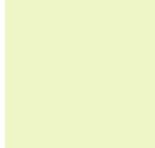
Protanomaly

76.9177, 88.3343, 44.4487



Deuteranomaly

78.1451, 87.8519, 53.9127



Tritanomaly

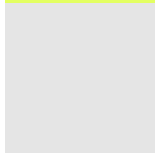
78.1053, 87.5592, 66.2101

Monochromacy



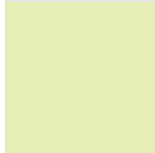
Original Color

69.5962, 88.7140, 24.7647



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.9099, 80.9792, 55.6093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5962, 88.7140, 24.7647 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(227, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 97)  
}
```

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(227, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 97) }
```

Border

The CSS property to change the border of an element to XYZ 69.5962, 88.7140, 24.7647 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(227, 255, 97) }
```


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

```
.border{ border-color:rgb(227, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5962, 88.7140, 24.7647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 97) }
```

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

```
.background{ background-color: rgb(227,  
255, 97) }
```

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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