

Converting Colors

XYZ(69.2601, 88.3950, 31.3322)

Have a look what the booklet for
XYZ(69.2601, 88.3950, 31.3322)
contains.

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Color

**XYZ(69.2744, 88.4057,
31.1822)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFF78
RGB	222, 255, 120
RGB Percent	87%, 100%, 47%
CMY	0.1294, 0.0000, 0.5294
CMYK	0.13, 0.00, 0.53, 0.00
HSL	75°, 100%, 74%
HSV	75°, 53%, 100%
XYZ	69.2744, 88.4057, 31.1822
YIQ	229.7430, 23.6670, -48.9810

Conversions

Conversions Part 2

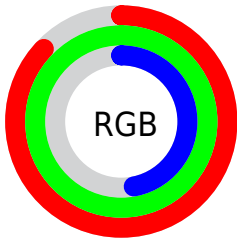
Format	Color
RYB	120, 255, 153
Decimal	14614392
CIELab	95.33, -29.91, 60.12
CIELCh	95, 67.150, 116.450
Yxy	88.4057, 0.3668, 0.4681
Android (android.graphics.Color)	4292804472 (0xFFDEFF78)
YUV	229.7430, -54.1033, -6.7906
Hunter-Lab	94.0243, -33.0289, 46.1541

Details

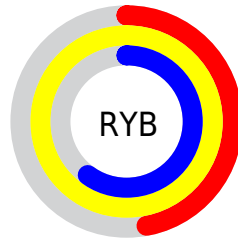
The XYZ color **69.2744, 88.4057, 31.1822** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **37.9046, 27.4266, 97.9038**, and the grayscale version is **75.3982, 79.3248, 86.3847**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **36.4581, 48.6623, 12.4723** is the 20% darker color. If you saturate the color by 10%, you get **66.0530, 86.9006, 24.0008**, and if you desaturate by 10%, it is **72.9788, 90.1121, 40.5392**.

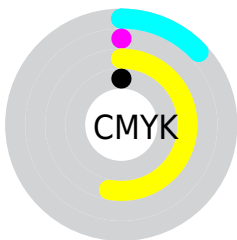
Distribution



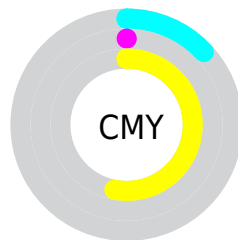
- Red (87%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (60%)



- Cyan (13%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2744, 88.4057, 31.1822 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 69.2744, 88.4057, 31.1822 by changing the saturation by 10% instead.

69.2744, 88.4057,
31.1822

69.2744, 88.4057,
31.1822

447.3044,
522.8309, 321.7540

51.2127, 66.6591,
20.4780

117.2053,
145.1218, 62.6097

36.5996, 48.8076,
12.5555

147.8053,
180.8602, 84.1702

25.0699, 34.4669,
6.9961

183.3153,
222.0312, 110.1864

16.2581, 23.2525,
3.3812

224.1008,
269.0194, 141.0771

9.7990, 14.7801,
1.2924

270.5271,
322.2090, 177.2606

5.3271, 8.6652,
0.0556

322.9595,

2.4772, 4.5234,

381.9846, 219.1555

0.0000

381.7635,
448.7304, 267.1805

■ 0.8838, 1.9705,
0.0000

■ 0.0000, 0.5902,
0.0000

■ 69.2744, 88.4057,
31.1822

■ 69.2744, 88.4057,
31.1822

■ 66.0530, 86.9006,
24.0008

■ 72.9788, 90.1121,
40.5392

■ 63.2798, 85.5829,
18.8148

■ 77.1963, 92.0320,
52.2253

■ 60.9155, 84.4367,
15.4216

■ 81.9547, 94.1766,
66.3842

■ 58.9124, 83.4429,
13.5735

■ 87.2799, 96.5563,
83.1471

■ 57.6669, 82.8134,
12.9452

■ 93.1954, 99.1807,
102.6358

95.0500, 100.0000,
108.9000

Harmonies

Analogous

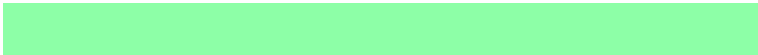
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2304, 88.4057, 26.5378



69.2744, 88.4057, 31.1822



57.9245, 88.4057, 50.5254

Triad

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



69.2744, 88.4057, 31.1822



66.0007, 88.4057, 207.3827



124.3795, 88.4057, 102.6514

Complementary

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



69.2744, 88.4057, 31.1822



37.9046, 27.4266, 97.9038

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.



116.9861, 88.4057, 163.5816



69.2744, 88.4057, 31.1822



81.8614, 88.4057, 236.3905

Square

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



69.2744, 88.4057, 31.1822



56.2365, 88.4057, 148.6307



100.7380, 88.4057, 217.9946



119.7310, 88.4057, 57.9094

Rectangle

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



69.2744, 88.4057, 31.1822



54.1881, 88.4057, 74.4760



100.7380, 88.4057, 217.9946



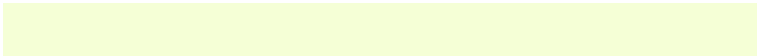
123.1959, 88.4057, 121.9218

Sweetspot

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



69.2745, 88.4057, 31.1834



85.5885, 95.8025, 77.7331



55.7781, 44.9116, 23.4995



18.0826, 20.3999, 15.8890



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.



69.2745, 88.4057, 31.1834



65.7383, 86.7522, 23.3595



52.8613, 79.9444, 30.4153



19.1019, 20.8540, 19.1628



30.2742, 43.3450, 6.7708



3.0461, 4.2711, 0.6639

Inverse Universe

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



37.9046, 27.4266, 97.9038



31.3279, 19.7206, 96.7630



53.9807, 35.7141, 98.6562



17.4188, 17.5921, 22.7275



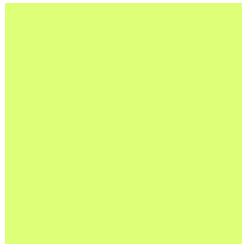
10.5924, 4.3711, 49.7200



1.1250, 0.4739, 4.8454

Previews

White Background



This preview shows how the XYZ color 69.2744, 88.4057, 31.1822 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 69.2744, 88.4057, 31.1822 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 69.2744, 88.4057, 31.1822

Background



This preview shows how black text looks on a background with the XYZ color 69.2744, 88.4057, 31.1822.

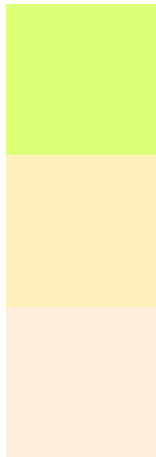


This preview shows how white text looks on a background with the XYZ color 69.2744, 88.4057,

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

69.2744, 88.4057, 31.1822

Protanopia

81.7724, 87.8014, 60.2145

Deuteranopia

84.8657, 87.6295, 80.8479



Tritanopia

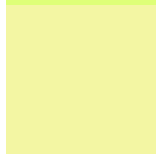
84.8067, 87.8909, 107.1026

Trichromacy



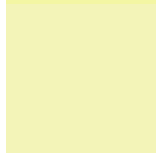
Original Color

69.2744, 88.4057, 31.1822



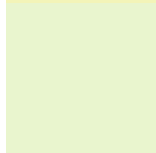
Protanomaly

76.5288, 87.6106, 47.5274



Deuteranomaly

77.9646, 87.2167, 58.0727



Tritanomaly

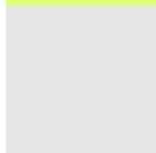
77.3973, 87.0847, 71.1223

Monochromacy



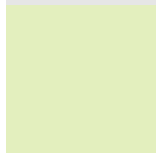
Original Color

69.2744, 88.4057, 31.1822



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.8393, 81.7816, 60.7143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2744, 88.4057, 31.1822 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(222, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 120)  
}
```

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(222, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 120) }
```

Border

The CSS property to change the border of an element to XYZ 69.2744, 88.4057, 31.1822 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(222, 255, 120) }
```


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

```
.border{ border-color:rgb(222, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2744, 88.4057, 31.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 120) }
```

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

```
.background{ background-color: rgb(222,  
255, 120) }
```

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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