

Converting Colors

XYZ(68.8521, 87.9623, 24.3326)

Have a look what the booklet for
XYZ(68.8521, 87.9623, 24.3326)
contains.

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Color

**XYZ(68.9172, 87.8969,
24.3998)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FE60
RGB	226, 254, 96
RGB Percent	89%, 100%, 38%
CMY	0.1137, 0.0039, 0.6235
CMYK	0.11, 0.00, 0.62, 0.00
HSL	71°, 99%, 69%
HSV	71°, 62%, 100%
XYZ	68.9172, 87.8969, 24.3998
YIQ	227.6160, 34.0300, -55.0740

Conversions

Conversions Part 2

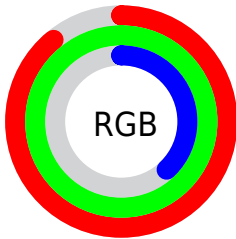
Format	Color
R _{YB}	96, 254, 124
Decimal	14876256
CIE Lab	95.12, -29.76, 70.10
CIE LCh	95, 76.158, 113.004
Yxy	87.8969, 0.3803, 0.4850
Android (android.graphics.Color)	4293066336 (0xFFE2FE60)
YUV	227.6160, -64.8867, -1.4172
Hunter-Lab	93.7533, -32.8547, 50.1968

Details

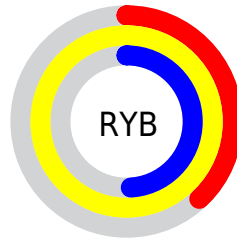
The XYZ color **68.9172, 87.8969, 24.3998** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.3875, 19.8087, 95.9930**, and the grayscale version is **73.9059, 77.7547, 84.6749**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **36.1913, 48.2635, 8.9217** is the 20% darker color. If you saturate the color by 10%, you get **66.5389, 86.7878, 19.1396**, and if you desaturate by 10%, it is **71.7144, 89.1842, 31.6543**.

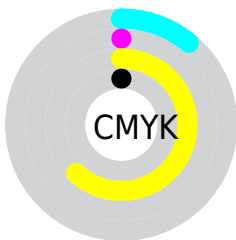
Distribution



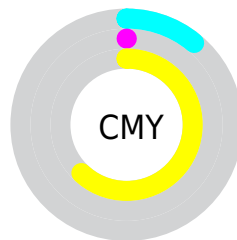
- Red (89%)
- Green (100%)
- Blue (38%)



- 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 68.9172, 87.8969, 24.3998 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 68.9172, 87.8969, 24.3998 by changing the saturation by 10% instead.

68.9172, 87.8969,
24.3998

68.9172, 87.8969,
24.3998

446.0648,
521.1655, 288.1869

50.9207, 66.2377,
15.4155

116.6980,
144.4136, 51.6338

36.3663, 48.4654,
8.9617

147.2130,
180.0399, 70.7206

24.8886, 34.1956,
4.6197

182.6316,
221.0907, 94.0120

16.1224, 23.0439,
1.9711

223.3190,
267.9503, 121.9266

9.7022, 14.6259,
0.5374

269.6407,
321.0032, 154.8828

5.2627, 8.5573,
0.0000

321.9620,

2.4385, 4.4536,

380.6338, 193.2993

0.0000

380.6483,
447.2265, 237.5944

0.8644, 1.9304,
0.0000

0.0000, 0.5665,
0.0000

68.9172, 87.8969,
24.3998

68.9172, 87.8969,
24.3998

66.5389, 86.7878,
19.1396

71.7144, 89.1842,
31.6543

64.5351, 85.8295,
15.6686


74.9575, 90.6510,
41.0708

62.8619, 85.0077,
13.7476

78.6780, 92.3131,
52.8053

61.7333, 84.4403,
13.0449

82.9030, 94.1814,
66.9983

 87.6572, 96.2658,
83.7788

 92.9637, 98.5755,
103.2669

94.7338, 99.3676,
108.7946

Harmonies

Analogous

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



88.4922, 87.8969, 21.2395



68.9172, 87.8969, 24.3998



55.5854, 87.8969, 42.1426

Triad

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



68.9172, 87.8969, 24.3998



61.7832, 87.8969, 218.8644



129.6702, 87.8969, 110.2910

Complementary

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



68.9172, 87.8969, 24.3998



30.3875, 19.8087, 95.9930

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.



119.5856, 87.8969, 182.1262



68.9172, 87.8969, 24.3998



78.7825, 87.8969, 259.5650

Square

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



68.9172, 87.8969, 24.3998



51.9673, 87.8969, 147.5948



100.1050, 87.8969, 243.8933



125.8576, 87.8969, 57.6725

Rectangle

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



68.9172, 87.8969, 24.3998



50.9333, 87.8969, 66.0688



100.1050, 87.8969, 243.8933



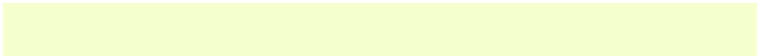
127.7442, 87.8969, 133.0942

Sweetspot

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



68.9193, 87.9009, 24.4016



85.1183, 95.6704, 72.7235



49.9880, 35.9189, 15.3659



17.9359, 20.3530, 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.



68.9193, 87.9009, 24.4016



66.5276, 87.2752, 18.1527



49.8900, 78.0909, 23.5111



19.2268, 20.9183, 19.1686



32.6584, 44.5741, 6.8824



3.2588, 4.3807, 0.6738

Inverse Universe

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



30.3875, 19.8087, 95.9930



24.8686, 13.4359, 95.8904



46.2524, 27.9873, 96.7355



17.3032, 17.5325, 22.7221



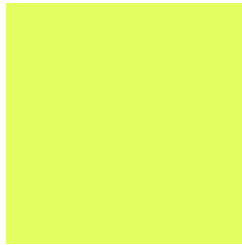
10.0879, 4.1110, 49.6964



1.0603, 0.4405, 4.8424

Previews

White Background



This preview shows how the XYZ color 68.9172, 87.8969, 24.3998 looks on a white background.

Color Contrast Check

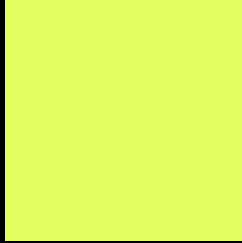
Large Text (above 18pt) WCAG AA × Fail

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 68.9172, 87.8969, 24.3998 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 68.9172, 87.8969, 24.3998

Background



This preview shows how black text looks on a background with the XYZ color 68.9172, 87.8969, 24.3998.

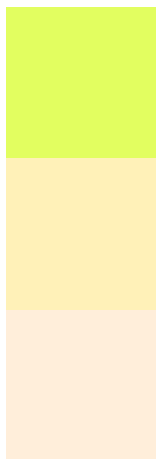


This preview shows how white text looks on a background with the XYZ color 68.9172, 87.8969,

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

68.9172, 87.8969, 24.3998

Protanopia

81.3470, 87.6313, 57.9745

Deuteranopia

84.4694, 87.4710, 78.7612



Tritanopia

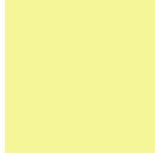
85.5867, 87.4238, 106.9713

Trichromacy



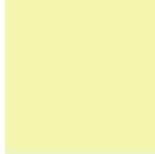
Original Color

68.9172, 87.8969, 24.3998



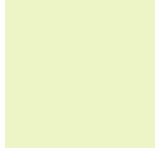
Protanomaly

75.9315, 87.4116, 42.5759



Deuteranomaly

77.2989, 86.9905, 52.7611



Tritanomaly

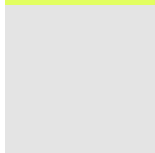
77.3538, 86.7371, 65.4883

Monochromacy



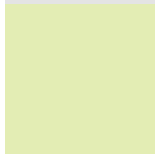
Original Color

68.9172, 87.8969, 24.3998



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.2010, 80.1946, 54.9591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9172, 87.8969, 24.3998 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, 254, 96)` looks like.

```
.text, #text, p{  
    color:rgb(226, 254, 96)  
}
```

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, 254, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 254, 96) }
```

Border

The CSS property to change the border of an element to XYZ 68.9172, 87.8969, 24.3998 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, 254, 96) }
```


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

```
.border{ border-color:rgb(226, 254, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 254, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 254, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 254, 96);  
box-shadow:4px 4px 4px 4px rgb(226, 254,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9172, 87.8969, 24.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 254, 96) }
```

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

```
.background{ background-color: rgb(226,  
254, 96) }
```

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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