

Converting Colors

XYZ(69.9593, 87.1985, 26.6504)

Have a look what the booklet for
XYZ(69.9593, 87.1985, 26.6504)
contains.

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Color

**XYZ(69.7318, 86.8580,
26.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FB6A
RGB	230, 251, 106
RGB Percent	90%, 98%, 42%
CMY	0.0980, 0.0157, 0.5843
CMYK	0.08, 0.00, 0.58, 0.02
HSL	69°, 95%, 70%
HSV	69°, 58%, 98%
XYZ	69.7318, 86.8580, 26.7257
YIQ	228.1910, 34.0290, -49.5470

Conversions

Conversions Part 2

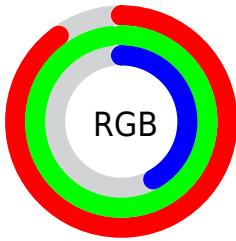
Format	Color
RYB	106, 251, 127
Decimal	15137642
CIELab	94.68, -26.10, 65.60
CIELCh	95, 70.604, 111.699
Yxy	86.8580, 0.3804, 0.4738
Android (android.graphics.Color)	4293327722 (0xFFE6FB6A)
YUV	228.1910, -60.2402, 1.5865
Hunter-Lab	93.1976, -29.5396, 48.2361

Details

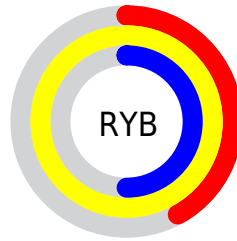
The XYZ color **69.7318, 86.8580, 26.7257** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.3222, 21.7873, 93.8266**, and the grayscale version is **74.2945, 78.1636, 85.1202**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **37.0827, 48.0226, 10.2206** is the 20% darker color. If you saturate the color by 10%, you get **67.4588, 85.8185, 20.7748**, and if you desaturate by 10%, it is **72.4153, 88.0707, 34.6927**.

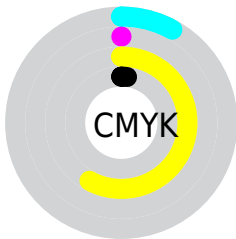
Distribution



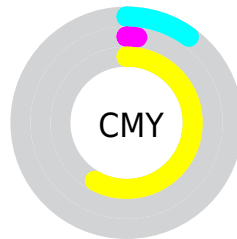
- Red (90%)
- Green (98%)
- Blue (42%)



- Red (42%)
- Yellow (98%)
- Blue (50%)



- Cyan (8%)
- Magenta (0%)
- Yellow (58%)
- Black (2%)





- Cyan (10%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7318, 86.8580, 26.7257 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 69.7318, 86.8580, 26.7257 by changing the saturation by 10% instead.


 69.7318, 86.8580,
26.7257

 69.7318, 86.8580,
26.7257


448.8889,
517.7561, 300.0446


 51.5867, 65.3777,
17.1367


 117.8546,
142.9662, 55.4418


 36.8987, 47.7674,
10.1690


 148.5630,
178.3629, 75.4059

 25.3024, 33.6427,
5.4041


 184.1898,
219.1672, 99.6655

 16.4324, 22.6193,
2.4234

 225.1005,
265.7634, 128.6392

 9.9234, 14.3126,
0.7991

271.6604,
318.5361, 162.7454

 5.4101, 8.3384,
0.0000

324.2349,

 2.5270, 4.3123,

377.8695, 202.4026

0.0000

383.1892,
444.1480, 248.0295

■ 0.9089, 1.8497,
0.0000

■ 0.0000, 0.5179,
0.0000

■ 69.7318, 86.8580,
26.7257

■ 69.7318, 86.8580,
26.7257

■ 67.4588, 85.8185,
20.7748

■ 72.4153, 88.0707,
34.6927

■ 65.5554, 84.9265,
16.6535

■ 75.5334, 89.4571,
44.8298


■ 63.9831, 84.1698,
14.1500


■ 79.1156, 91.0318,
57.2821


■ 62.6876, 83.5265,
12.9791

■ 83.1869, 92.8051,
72.1808

 62.4185, 83.3913,
12.8063

 87.7706, 94.7863,
89.6472

 92.6282, 96.8798,
108.4254

 93.7892, 97.4784,
108.4797

Harmonies

Analogous

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



87.9617, 86.8580, 24.0879



69.7318, 86.8580, 26.7257



57.0025, 86.8580, 43.2907

Triad

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



69.7318, 86.8580, 26.7257



61.8581, 86.8580, 203.1890



124.3969, 86.8580, 110.5531

Complementary

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



69.7318, 86.8580, 26.7257



31.3222, 21.7873, 93.8266

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.



114.7910, 86.8580, 175.6966



69.7318, 86.8580, 26.7257



77.3763, 86.8580, 241.1199

Square

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



69.7318, 86.8580, 26.7257



52.9677, 86.8580, 138.9375



96.8632, 86.8580, 229.4823



121.5105, 86.8580, 60.8286

Rectangle

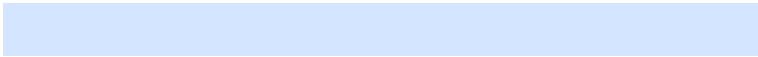
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7318, 86.8580, 26.7257



52.4166, 86.8580, 65.2920



96.8632, 86.8580, 229.4823



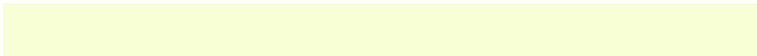
122.4749, 86.8580, 131.5145

Sweetspot

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



69.7339, 86.8619, 26.7275



86.5666, 96.3441, 76.0898



49.7642, 36.3041, 18.0214



18.3365, 20.5382, 15.5682



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.



69.7339, 86.8619, 26.7275



69.6490, 88.8272, 20.8812



51.4331, 77.4276, 25.8711



18.4657, 20.0559, 18.3603



32.9042, 43.8810, 6.7357



3.1129, 4.0978, 0.6269

Inverse Universe

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



31.3222, 21.7873, 93.8266



26.6215, 15.7947, 96.2533



45.8144, 29.2583, 94.5048



16.5170, 16.7636, 21.7505



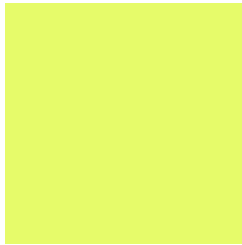
9.6137, 3.8987, 48.2194



0.9587, 0.3963, 4.4691

Previews

White Background



This preview shows how the XYZ color 69.7318, 86.8580, 26.7257 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 69.7318, 86.8580, 26.7257 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 69.7318, 86.8580, 26.7257

Background



This preview shows how black text looks on a background with the XYZ color 69.7318, 86.8580, 26.7257.

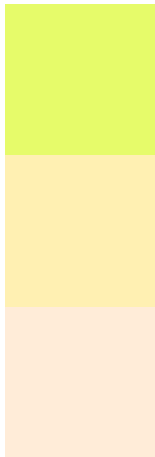


This preview shows how white text looks on a background with the XYZ color 69.7318, 86.8580,

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

69.7318, 86.8580, 26.7257

Protanopia

80.4360, 86.7945, 54.6331

Deuteranopia

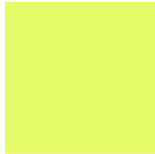
83.6301, 86.2088, 77.1979



Tritanopia

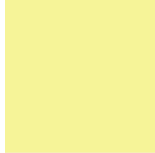
85.8909, 86.7395, 105.9814

Trichromacy



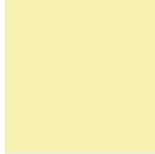
Original Color

69.7318, 86.8580, 26.7257



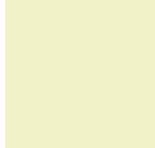
Protanomaly

76.0242, 86.5612, 42.4068



Deuteranomaly

77.2978, 85.6380, 53.5301



Tritanomaly

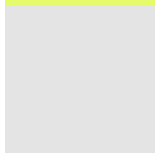
77.8158, 85.6060, 67.0659

Monochromacy



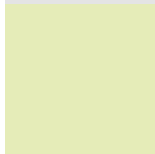
Original Color

69.7318, 86.8580, 26.7257



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.9603, 80.1096, 57.0701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7318, 86.8580, 26.7257 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(230, 251, 106)` looks like.

```
.text, #text, p{  
    color:rgb(230, 251, 106)  
}
```

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(230, 251, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 251, 106) }
```

Border

The CSS property to change the border of an element to XYZ 69.7318, 86.8580, 26.7257 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(230, 251, 106) }
```


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

```
.border{ border-color:rgb(230, 251, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 251, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 251, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 251, 106);  
box-shadow:4px 4px 4px 4px rgb(230, 251,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7318, 86.8580, 26.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 251, 106) }
```

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

```
.background{ background-color: rgb(230,  
251, 106) }
```

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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