

Converting Colors

XYZ(67.1355, 80.1444, 34.8530)

Have a look what the booklet for
XYZ(67.1355, 80.1444, 34.8530)
contains.

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Color

**XYZ(67.2118, 80.4003,
34.8980)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F087
RGB	227, 240, 135
RGB Percent	89%, 94%, 53%
CMY	0.1098, 0.0588, 0.4706
CMYK	0.05, 0.00, 0.44, 0.06
HSL	67°, 78%, 74%
HSV	67°, 44%, 94%
XYZ	67.2118, 80.4003, 34.8980
YIQ	224.1430, 25.9570, -35.4110

Conversions

Conversions Part 2

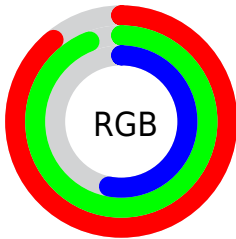
Format	Color
R_{YB}	135, 240, 148
Decimal	14938247
CIE _{Lab}	91.86, -19.47, 49.10
CIE _{LCh}	92, 52.823, 111.634
Yxy	80.4003, 0.3683, 0.4405
Android (android.graphics.Color)	4293128327 (0xFFE3F087)
YUV	224.1430, -43.9475, 2.5056
Hunter-Lab	89.6662, -23.1162, 39.6907

Details

The XYZ color **67.2118, 80.4003, 34.8980** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.6078, 29.9171, 86.2879**, and the grayscale version is **71.2470, 74.9573, 81.6286**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **35.2410, 43.4362, 14.5093** is the 20% darker color. If you saturate the color by 10%, you get **64.7801, 79.3231, 26.9362**, and if you desaturate by 10%, it is **70.0445, 81.6455, 44.8699**.

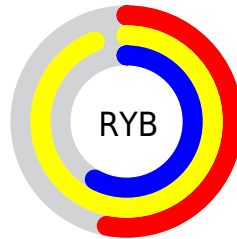
Distribution



Red (89%)

Green (94%)

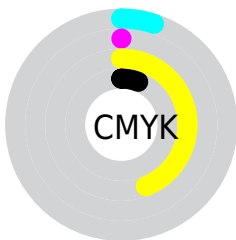
Blue (53%)



Red (53%)

Yellow (94%)

Blue (58%)

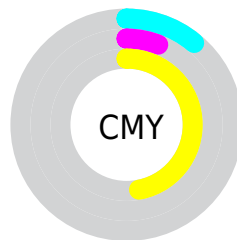


Cyan (5%)

Magenta (0%)

Yellow (44%)

Black (6%)



Cyan (11%)

Magenta (6%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2118, 80.4003, 34.8980 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 67.2118, 80.4003, 34.8980 by changing the saturation by 10% instead.

67.2118, 80.4003,
34.8980

67.2118, 80.4003,
34.8980

440.1189,
496.2808, 339.0085

49.5281, 60.0478,
23.3014

114.2720,
133.9284, 68.4775

35.2548, 43.4572,
14.6088

144.3791,
167.8728, 91.2975

24.0267, 30.2440,
8.4018

179.3582,
207.1166, 118.6956

15.4783, 20.0239,
4.2616

219.5745,
252.0442, 151.0906

9.2442, 12.4124,
1.7699

265.3933,
303.0401, 188.9008

4.9592, 7.0252,
0.4080

317.1801,

2.2579, 3.4779,

360.4885, 232.5448

0.0000

375.3002,
424.7740, 282.4412

0.7730, 1.3860,
0.0000

0.0000, 0.2064,
0.0000

67.2118, 80.4003,
34.8980

67.2118, 80.4003,
34.8980

64.7801, 79.3231,
26.9362

70.0445, 81.6455,
44.8699

62.7176, 78.3925,
20.8429


73.2960, 83.0572,
56.9705


60.9969, 77.6006,
16.4663


76.9899, 84.6478,
71.3153


59.5844, 76.9337,
13.6288

81.1462, 86.4253,
88.0101


 58.4387, 76.3755,
12.1138


 85.7831, 88.3969,
107.1488

 57.8194, 76.0662,
11.6348

 86.8111, 88.9268,
107.1969

 87.8557, 89.4654,
107.2458

 88.9171, 90.0125,
107.2955

 89.9953, 90.5683,
107.3459

Harmonies

Analogous

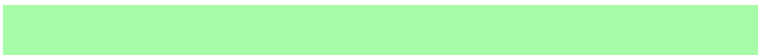
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2706, 80.4003, 32.5370



67.2118, 80.4003, 34.8980



57.7610, 80.4003, 48.9250

Triad

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



67.2118, 80.4003, 34.8980



61.3647, 80.4003, 160.0226



105.1928, 80.4003, 98.8500

Complementary

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



67.2118, 80.4003, 34.8980



36.6078, 29.9171, 86.2879

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.



98.7136, 80.4003, 142.4845



67.2118, 80.4003, 34.8980



72.6908, 80.4003, 184.0265

Square

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



67.2118, 80.4003, 34.8980



54.6732, 80.4003, 118.0247



86.4288, 80.4003, 176.8025



103.2770, 80.4003, 62.8197

Rectangle

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



67.2118, 80.4003, 34.8980



54.2678, 80.4003, 66.0792



86.4288, 80.4003, 176.8025



103.8994, 80.4003, 113.2123

Sweetspot

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



67.2138, 80.4039, 34.8997



88.6702, 97.2754, 83.1045



50.7837, 41.2219, 28.2028



18.7668, 20.7298, 16.9497



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.



67.2138, 80.4039, 34.8997



74.4883, 91.0946, 31.3787



53.2715, 73.2164, 34.2472



16.9190, 18.3539, 16.8007



31.7270, 41.6774, 6.3724



2.6930, 3.4948, 0.5326

Inverse Universe

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



36.6078, 29.9171, 86.2879



34.9979, 25.9007, 97.7625



48.1474, 35.8660, 86.8279



15.0792, 15.3225, 19.8844



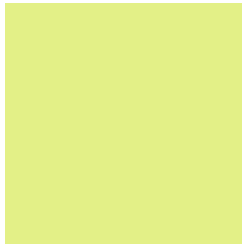
8.9573, 3.6231, 45.3551



0.8032, 0.3313, 3.7758

Previews

White Background



This preview shows how the XYZ color 67.2118, 80.4003, 34.8980 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 67.2118, 80.4003, 34.8980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

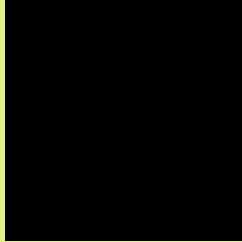
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2118, 80.4003, 34.8980

Background



This preview shows how black text looks on a background with the XYZ color 67.2118, 80.4003, 34.8980.



This preview shows how white text looks on a background with the XYZ color 67.2118, 80.4003,

34.8980.

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

67.2118, 80.4003, 34.8980

Protanopia

73.6138, 79.8886, 33.3700

Deuteranopia

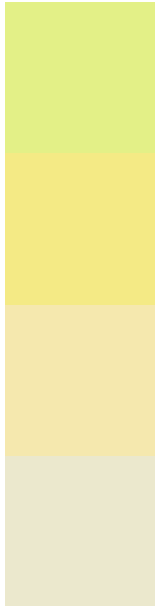
78.6729, 80.1837, 63.5550



Tritanopia

79.8857, 80.0560, 97.6281

Trichromacy



Original Color

67.2118, 80.4003, 34.8980

Protanomaly

70.9647, 79.7722, 33.8476

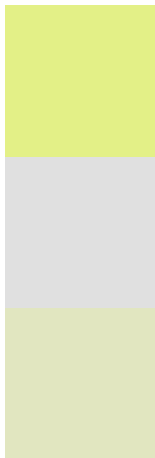
Deuteranomaly

74.1528, 80.1817, 51.6127

Tritanomaly

74.1370, 79.7832, 69.2499

Monochromacy



Original Color

67.2118, 80.4003, 34.8980

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.8626, 76.4070, 60.9877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2118, 80.4003, 34.8980 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, 240, 135)` looks like.

```
.text, #text, p{  
    color:rgb(227, 240, 135)  
}
```

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, 240, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 240, 135) }
```

Border

The CSS property to change the border of an element to XYZ 67.2118, 80.4003, 34.8980 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, 240, 135) }
```


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

```
.border{ border-color:rgb(227, 240, 135) }
```

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

Here you see how a box with a 4 pixel rgb(227, 240, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 240, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 240, 135);  
box-shadow:4px 4px 4px 4px rgb(227, 240,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2118, 80.4003, 34.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 240, 135) }
```

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

```
.background{ background-color: rgb(227,  
240, 135) }
```

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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