

Converting Colors

XYZ(68.3419, 82.2624, 34.2530)

Have a look what the booklet for
XYZ(68.3419, 82.2624, 34.2530)
contains.

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Color

**XYZ(68.2104, 82.2611,
34.1127)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F384
RGB	228, 243, 132
RGB Percent	89%, 95%, 52%
CMY	0.1059, 0.0470, 0.4823
CMYK	0.06, 0.00, 0.46, 0.05
HSL	68°, 82%, 74%
HSV	68°, 46%, 95%
XYZ	68.2104, 82.2611, 34.1127
YIQ	225.8610, 26.6910, -37.7010

Conversions

Conversions Part 2

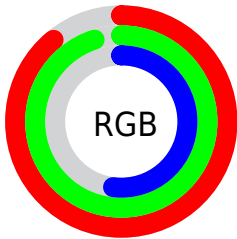
Format	Color
RYB	132, 243, 147
Decimal	15004548
CIELab	92.69, -20.84, 51.56
CIELCh	93, 55.612, 112.007
Yxy	82.2611, 0.3695, 0.4457
Android (android.graphics.Color)	4293194628 (0xFFE4F384)
YUV	225.8610, -46.2735, 1.8759
Hunter-Lab	90.6979, -24.4784, 41.1888

Details

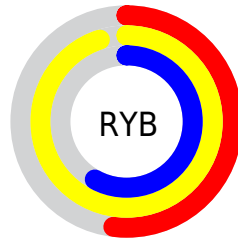
The XYZ color **68.2104, 82.2611, 34.1127** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.4645, 29.1787, 88.5090**, and the grayscale version is **72.5005, 76.2762, 83.0647**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **35.9762, 44.7631, 14.1411** is the 20% darker color. If you saturate the color by 10%, you get **65.7059, 81.1430, 26.3036**, and if you desaturate by 10%, it is **71.1260, 83.5518, 43.9659**.

Distribution



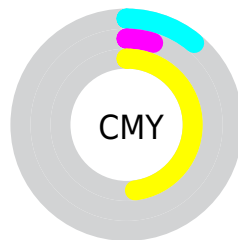
- Red (89%)
- Green (95%)
- Blue (52%)



- Red (52%)
- Yellow (95%)
- Blue (58%)



- Cyan (6%)
- Magenta (0%)
- Yellow (46%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2104, 82.2611, 34.1127 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 68.2104, 82.2611, 34.1127 by changing the saturation by 10% instead.

68.2104, 82.2611,
34.1127

68.2104, 82.2611,
34.1127

443.6062,
502.5206, 335.4188

50.3432, 61.5808,
22.7021

115.6933,
136.5401, 67.2448

35.9051, 44.6940,
14.1705

146.0398,
170.9076, 89.8034

24.5307, 31.2165,
8.0992

181.2768,
210.6062, 116.9151

15.8546, 20.7638,
4.0698

221.7696,
256.0204, 148.9984

9.5115, 12.9514,
1.6637

267.8835,
307.5345, 186.4719

5.1361, 7.3951,
0.3357

319.9841,

2.3629, 3.7104,

365.5330, 229.7541

0.0000

378.4365,
430.4003, 279.2635

■ 0.8266, 1.5129,
0.0000

■ 0.0000, 0.2978,
0.0000

■ 68.2104, 82.2611,
34.1127

■ 68.2104, 82.2611,
34.1127

■ 65.7059, 81.1430,
26.3036

■ 71.1260, 83.5518,
43.9659

■ 63.5792, 80.1753,
20.3896


■ 74.4715, 85.0139,
55.9877


■ 61.8012, 79.3494,
16.2102


■ 78.2717, 86.6601,
70.2992


■ 60.3360, 78.6508,
13.5757


■ 82.5476, 88.4989,
87.0106

 59.1389, 78.0617,
12.2521


 87.3188, 90.5383,
106.2252

 58.6749, 77.8292,
11.9300

 88.7113, 91.2284,
107.5410

 89.8845, 91.8332,
107.5959

 91.0783, 92.4486,
107.6518

 91.3424, 92.5848,
107.6641

Harmonies

Analogous

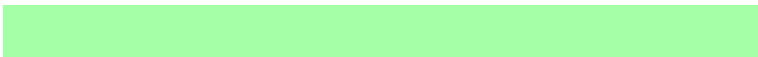
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1227, 82.2611, 31.5348



68.2104, 82.2611, 34.1127



58.2324, 82.2611, 48.9030

Triad

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



68.2104, 82.2611, 34.1127



62.2691, 82.2611, 168.2550



109.1280, 82.2611, 101.1205

Complementary

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



68.2104, 82.2611, 34.1127



36.4645, 29.1787, 88.5090

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.



102.2466, 82.2611, 148.1676



68.2104, 82.2611, 34.1127



74.3786, 82.2611, 194.0157

Square

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



68.2104, 82.2611, 34.1127



55.1088, 82.2611, 122.8952



89.0912, 82.2611, 185.7072



106.9468, 82.2611, 62.8872

Rectangle

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



68.2104, 82.2611, 34.1127



54.5822, 82.2611, 67.1251



89.0912, 82.2611, 185.7072



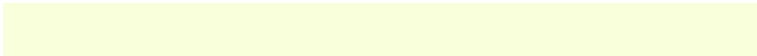
107.7708, 82.2611, 116.5277

Sweetspot

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



68.2124, 82.2648, 34.1144



88.0724, 97.0064, 81.3073



51.5325, 41.5282, 27.1306



18.6413, 20.6729, 16.5958



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.



68.2124, 82.2648, 34.1144



73.4456, 90.5918, 29.7593



53.3857, 74.6214, 33.4206



17.6815, 19.1934, 17.5703



32.2855, 42.7566, 6.5512



2.8973, 3.7887, 0.5786

Inverse Universe

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



36.4645, 29.1787, 88.5090



33.9376, 24.4690, 97.5420



48.8700, 35.5739, 89.0895



15.7894, 16.0341, 20.8053



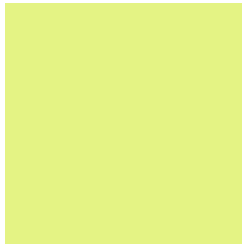
9.2839, 3.7603, 46.7745



0.8796, 0.3633, 4.1140

Previews

White Background



This preview shows how the XYZ color 68.2104, 82.2611, 34.1127 looks on a white background.

Color Contrast Check

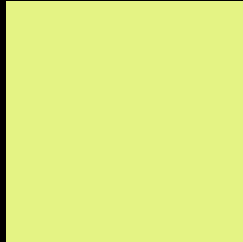
Large Text (above 18pt) WCAG AA × Fail

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 68.2104, 82.2611, 34.1127 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 68.2104, 82.2611, 34.1127

Background



This preview shows how black text looks on a background with the XYZ color 68.2104, 82.2611, 34.1127.

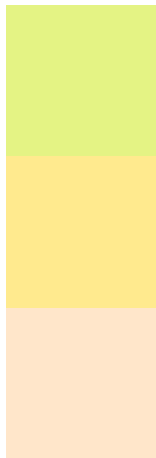


This preview shows how white text looks on a background with the XYZ color 68.2104, 82.2611,

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

68.2104, 82.2611, 34.1127

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

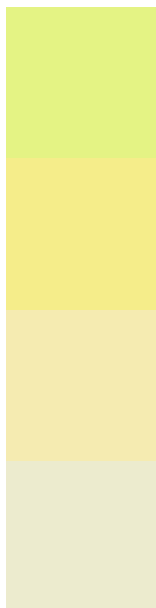
80.1975, 82.1179, 67.5006



Tritanopia

81.5157, 82.0717, 100.3520

Trichromacy



Original Color

68.2104, 82.2611, 34.1127

Protanomaly

72.5278, 81.8158, 36.0142

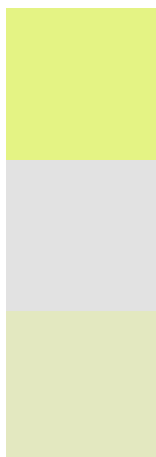
Deuteranomaly

75.3003, 82.0035, 53.4545

Tritanomaly

75.4410, 81.7058, 70.1871

Monochromacy



Original Color

68.2104, 82.2611, 34.1127

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.0496, 77.8499, 61.2037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2104, 82.2611, 34.1127 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(228, 243, 132)` looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 132)  
}
```

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(228, 243, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 132) }
```

Border

The CSS property to change the border of an element to XYZ 68.2104, 82.2611, 34.1127 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(228, 243, 132) }
```


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

```
.border{ border-color:rgb(228, 243, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 243, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 243, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 243, 132);  
box-shadow:4px 4px 4px 4px rgb(228, 243,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2104, 82.2611, 34.1127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 132) }
```

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

```
.background{ background-color: rgb(228,  
243, 132) }
```

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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