

Converting Colors

XYZ(67.0528, 81.1336, 28.4886)

Have a look what the booklet for
XYZ(67.0528, 81.1336, 28.4886)
contains.

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Color

**XYZ(67.1597, 81.4001,
28.3917)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F273
RGB	229, 242, 115
RGB Percent	90%, 95%, 45%
CMY	0.1020, 0.0510, 0.5490
CMYK	0.05, 0.00, 0.52, 0.05
HSL	66°, 83%, 70%
HSV	66°, 52%, 95%
XYZ	67.1597, 81.4001, 28.3917
YIQ	223.6350, 33.0190, -42.2530

Conversions

Conversions Part 2

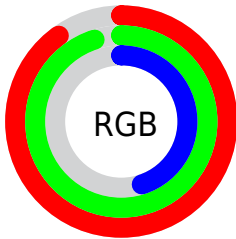
Format	Color
RYB	115, 242, 128
Decimal	15069811
CIELab	92.31, -21.51, 58.97
CIELCh	92, 62.767, 110.040
Yxy	81.4001, 0.3795, 0.4600
Android (android.graphics.Color)	4293259891 (0xFFE5F273)
YUV	223.6350, -53.5571, 4.7051
Hunter-Lab	90.2220, -25.0162, 44.4976

Details

The XYZ color **67.1597, 81.4001, 28.3917** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.0627, 23.2634, 86.8624**, and the grayscale version is **70.9464, 74.6411, 81.2842**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **35.1958, 44.1127, 11.0745** is the 20% darker color. If you saturate the color by 10%, you get **65.1615, 80.5130, 21.9592**, and if you desaturate by 10%, it is **69.5386, 82.4466, 36.7531**.

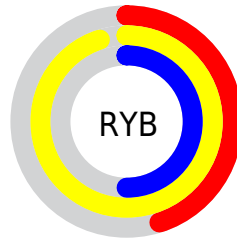
Distribution



Red (90%)

Green (95%)

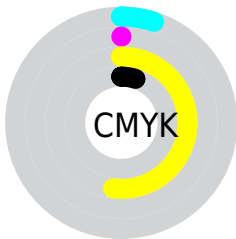
Blue (45%)



Red (45%)

Yellow (95%)

Blue (50%)

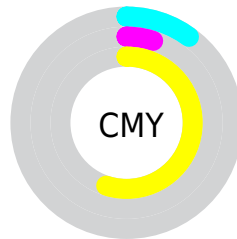


Cyan (5%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (10%)


Magenta (5%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1597, 81.4001, 28.3917 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 67.1597, 81.4001, 28.3917 by changing the saturation by 10% instead.


 67.1597, 81.4001,
28.3917

 67.1597, 81.4001,
28.3917


439.9366,
499.6388, 308.3045


 49.4856, 60.8712,
18.3795


 114.1977,
135.3324, 58.1398

 35.2210, 44.1212,
11.0506


 144.2924,
169.5046, 78.7128

 24.0004, 30.7658,
5.9863

 179.2580,
208.9933, 103.6432

 15.4587, 20.4206,
2.7681

219.4598,
254.1830, 133.3495

 9.2303, 12.7011,
0.9775

265.2632,
305.4580, 168.2502

 4.9500, 7.2231,
0.0000

317.0335,

 2.2524, 3.6020,

363.2027, 208.7640

0.0000

375.1362,
427.8015, 255.3092

0.7702, 1.4535,
0.0000

0.0000, 0.2557,
0.0000

67.1597, 81.4001,
28.3917

67.1597, 81.4001,
28.3917

65.1615, 80.5130,
21.9592

69.5386, 82.4466,
36.7531

63.5089, 79.7626,
17.2963


72.3186, 83.6519,
47.1756


62.1700, 79.1389,
14.2270


75.5252, 85.0292,
59.7859


61.1040, 78.6257,
12.5367


79.1805, 86.5873,
74.6988


 60.4352, 78.2937,
11.9269

 83.3048, 88.3343,
92.0215

 87.0672, 89.9379,
107.3786

 87.9325, 90.3840,
107.4190

 88.8094, 90.8360,
107.4601

 89.6979, 91.2940,
107.5017

Harmonies

Analogous

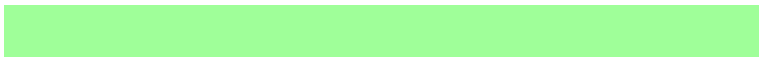
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8921, 81.4001, 26.5310



67.1597, 81.4001, 28.3917



55.8292, 81.4001, 42.7310

Triad

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



67.1597, 81.4001, 28.3917



59.0070, 81.4001, 176.2990



112.3541, 81.4001, 105.0043

Complementary

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



67.1597, 81.4001, 28.3917



31.0627, 23.2634, 86.8624

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.



103.8375, 81.4001, 159.3126



67.1597, 81.4001, 28.3917



72.0956, 81.4001, 209.0134

Square

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



67.1597, 81.4001, 28.3917



51.5987, 81.4001, 122.9201



88.5624, 81.4001, 201.8947



110.5439, 81.4001, 61.3968

Rectangle

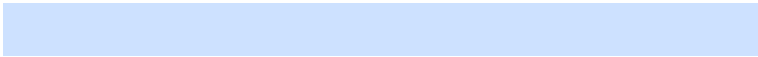
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1597, 81.4001, 28.3917



51.5872, 81.4001, 61.4894



88.5624, 81.4001, 201.8947



110.5630, 81.4001, 122.7732

Sweetspot

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



67.1616, 81.4038, 28.3934



87.6426, 96.8614, 77.8292



47.3954, 35.4774, 20.5705



18.5763, 20.6544, 15.9121



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.



67.1616, 81.4038, 28.3934



73.2401, 90.6065, 24.3008



50.5336, 72.8318, 27.6152



16.9541, 18.3720, 16.8023



32.5324, 42.0926, 6.4100



2.7520, 3.5252, 0.5354

Inverse Universe

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



31.0627, 23.2634, 86.8624



28.6146, 18.6545, 96.7003



43.6966, 29.7764, 87.4537



15.0475, 15.3062, 19.8829



8.8746, 3.5804, 45.3512



0.7882, 0.3236, 3.7751

Previews

White Background



This preview shows how the XYZ color 67.1597, 81.4001, 28.3917 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 67.1597, 81.4001, 28.3917 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 67.1597, 81.4001, 28.3917

Background



This preview shows how black text looks on a background with the XYZ color 67.1597, 81.4001, 28.3917.

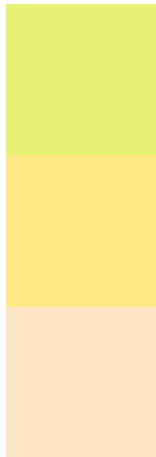


This preview shows how white text looks on a background with the XYZ color 67.1597, 81.4001,

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

67.1597, 81.4001, 28.3917

Protanopia

74.5438, 81.2038, 33.5748

Deuteranopia

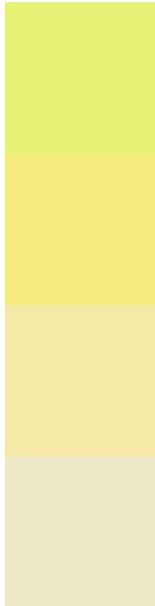
79.1764, 80.8240, 64.8536



Tritanopia

81.3401, 81.1953, 98.5740

Trichromacy



Original Color

67.1597, 81.4001, 28.3917

Protanomaly

71.7674, 81.0901, 31.6081

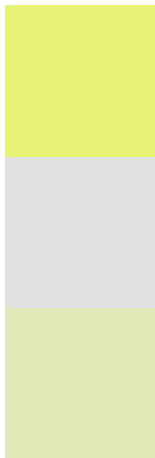
Deuteranomaly

74.2128, 80.6978, 48.7106

Tritanomaly

74.5919, 80.5322, 65.0389

Monochromacy



Original Color

67.1597, 81.4001, 28.3917

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.5917, 76.7813, 56.5525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1597, 81.4001, 28.3917 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(229, 242, 115)` looks like.

```
.text, #text, p{  
    color:rgb(229, 242, 115)  
}
```

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(229, 242, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 242, 115) }
```

Border

The CSS property to change the border of an element to XYZ 67.1597, 81.4001, 28.3917 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(229, 242, 115) }
```


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

```
.border{ border-color:rgb(229, 242, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 242, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 242, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 242, 115);  
box-shadow:4px 4px 4px 4px rgb(229, 242,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1597, 81.4001, 28.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 242, 115) }
```

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

```
.background{ background-color: rgb(229,  
242, 115) }
```

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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