

Converting Colors

XYZ(67.2871, 79.4936, 38.1829)

Have a look what the booklet for
XYZ(67.2871, 79.4936, 38.1829)
contains.

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Color

**XYZ(67.2871, 79.4936,
38.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EE90
RGB	227, 238, 144
RGB Percent	89%, 93%, 56%
CMY	0.1098, 0.0666, 0.4353
CMYK	0.05, 0.00, 0.39, 0.07
HSL	67°, 73%, 75%
HSV	67°, 39%, 93%
XYZ	67.2871, 79.4936, 38.1829
YIQ	223.9950, 23.6180, -31.5660

Conversions

Conversions Part 2

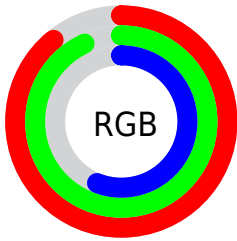
Format	Color
RYB	144, 238, 155
Decimal	14937744
CIELab	91.46, -17.55, 44.23
CIELCh	91, 47.590, 111.646
Yxy	79.4936, 0.3638, 0.4298
Android (android.graphics.Color)	4293127824 (0xFFE3EE90)
YUV	223.9950, -39.4375, 2.6354
Hunter-Lab	89.1592, -21.3173, 37.0202

Details

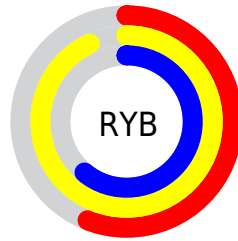
The XYZ color **67.2871, 79.4936, 38.1829** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.9264, 33.0901, 85.2290**, and the grayscale version is **71.1109, 74.8142, 81.4726**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **35.2373, 42.7747, 16.5243** is the 20% darker color. If you saturate the color by 10%, you get **64.7853, 78.3950, 29.5508**, and if you desaturate by 10%, it is **70.1905, 80.7601, 48.8386**.

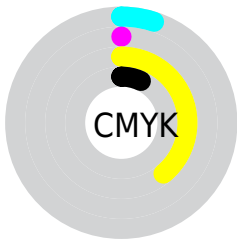
Distribution



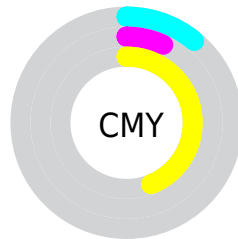
- Red (89%)
- Green (93%)
- Blue (56%)



- Red (56%)
- Yellow (93%)
- Blue (61%)



- Cyan (5%)
- Magenta (0%)
- Yellow (39%)
- Black (7%)





- Cyan (11%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2871, 79.4936, 38.1829 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 67.2871, 79.4936, 38.1829 by changing the saturation by 10% instead.


 67.2871, 79.4936,
38.1829

 67.2871, 79.4936,
38.1829


440.3825,
493.2246, 353.7256

 49.5895, 59.3017,
25.8217


 114.3792,
132.6535, 73.5949

 35.3038, 42.8561,
16.4658


 144.5045,
166.3904, 97.4829

 24.0646, 29.7722,
9.6964

179.5031,
205.4110, 126.0501

 15.5066, 19.6657,
5.0952

219.7402,
250.0998, 159.7153

 9.2643, 12.1523,
2.2435

265.5814,
300.8411, 198.8969

 4.9725, 6.8475,
0.6993

317.3919,

 2.2657, 3.3669,

358.0195, 244.0134

0.0000

375.5372,
422.0192, 295.4835

■ 0.7770, 1.3262,
0.0000

■ 0.0000, 0.1613,
0.0000

■ 67.2871, 79.4936,
38.1829

■ 67.2871, 79.4936,
38.1829

■ 64.7853, 78.3950,
29.5508

■ 70.1905, 80.7601,
48.8386

■ 62.6550, 77.4438,
22.8093

■ 73.5120, 82.1927,
61.6296

■ 60.8709, 76.6327,
17.8175

■ 77.2740, 83.8032,
76.6656

■ 59.4020, 75.9493,
14.4125

■ 81.4957, 85.5992,
94.0473

■ 58.2117, 75.3789,
12.4012

■ 84.8791, 87.0616,
106.9387

■ 57.2410, 74.8980,
11.4743

■ 85.8374, 87.5556,
106.9836

■ 57.1944, 74.8748,
11.4378

■ 86.8102, 88.0571,
107.0291

■ 87.7978, 88.5662,
107.0753

■ 88.8001, 89.0829,
107.1222

Harmonies

Analogous

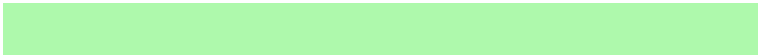
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9909, 79.4936, 35.9139



67.2871, 79.4936, 38.1829



58.7250, 79.4936, 51.4130

Triad

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



67.2871, 79.4936, 38.1829



62.0064, 79.4936, 150.1030



101.0204, 79.4936, 96.6123

Complementary

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



67.2871, 79.4936, 38.1829



38.9264, 33.0901, 85.2290

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.



95.3306, 79.4936, 134.8910



67.2871, 79.4936, 38.1829



72.2227, 79.4936, 170.7383

Square

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



67.2871, 79.4936, 38.1829



55.9106, 79.4936, 113.5627



84.4766, 79.4936, 164.5305



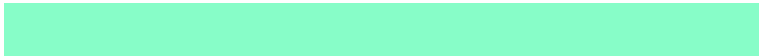
99.3366, 79.4936, 64.2095

Rectangle

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



67.2871, 79.4936, 38.1829



55.5372, 79.4936, 67.2049



84.4766, 79.4936, 164.5305



99.8866, 79.4936, 109.3028

Sweetspot

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



67.2891, 79.4972, 38.1846



89.2030, 97.5104, 84.9256



52.0125, 43.6245, 32.0656



18.9670, 20.8173, 17.6706



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.



67.2891, 79.4972, 38.1846



76.4083, 91.9686, 36.7016



54.4416, 72.8741, 37.5833



16.9301, 18.3596, 16.8012



31.9789, 41.8073, 6.3841



2.7114, 3.5043, 0.5335

Inverse Universe

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



38.9264, 33.0901, 85.2290



39.1626, 30.9966, 98.5266



49.7565, 38.6733, 85.7358



15.0691, 15.3173, 19.8839



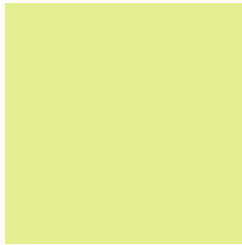
8.9297, 3.6088, 45.3538



0.7985, 0.3289, 3.7756

Previews

White Background



This preview shows how the XYZ color 67.2871, 79.4936, 38.1829 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 67.2871, 79.4936, 38.1829 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 67.2871, 79.4936, 38.1829

Background



This preview shows how black text looks on a background with the XYZ color 67.2871, 79.4936, 38.1829.

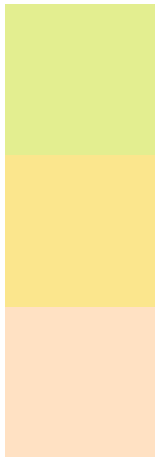


This preview shows how white text looks on a background with the XYZ color 67.2871, 79.4936,

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

67.2871, 79.4936, 38.1829

Protanopia

72.8882, 79.0259, 36.6112

Deuteranopia

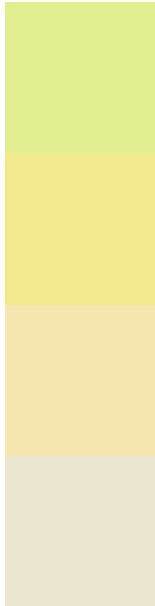
78.0155, 79.0506, 62.7762



Tritanopia

79.1221, 79.2751, 96.7194

Trichromacy



Original Color

67.2871, 79.4936, 38.1829

Protanomaly

70.6393, 79.1081, 37.1375

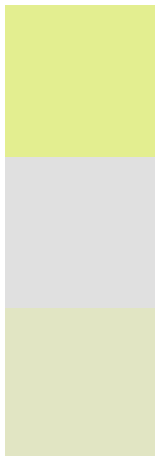
Deuteranomaly

73.7895, 79.1407, 52.4609

Tritanomaly

73.9429, 78.8099, 70.9891

Monochromacy



Original Color

67.2871, 79.4936, 38.1829

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.9210, 75.9863, 62.6641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2871, 79.4936, 38.1829 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, 238, 144)` looks like.

```
.text, #text, p{  
    color:rgb(227, 238, 144)  
}
```

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, 238, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 238, 144) }
```

Border

The CSS property to change the border of an element to XYZ 67.2871, 79.4936, 38.1829 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, 238, 144) }
```


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

```
.border{ border-color:rgb(227, 238, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 238, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 238, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 238, 144);  
box-shadow:4px 4px 4px 4px rgb(227, 238,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2871, 79.4936, 38.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 238, 144) }
```

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

```
.background{ background-color: rgb(227,  
238, 144) }
```

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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