

Converting Colors

XYZ(68.9136, 80.1078, 48.3894)

Have a look what the booklet for
XYZ(68.9136, 80.1078, 48.3894)
contains.

XYZ(68.9136, 80.1078, 48.3894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.9136, 80.1078,
48.3894)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EEA7
RGB	226, 238, 167
RGB Percent	89%, 93%, 65%
CMY	0.1137, 0.0666, 0.3451
CMYK	0.05, 0.00, 0.30, 0.07
HSL	70°, 68%, 79%
HSV	70°, 30%, 93%
XYZ	68.9136, 80.1078, 48.3894
YIQ	226.3180, 15.6390, -24.6250

Conversions

Conversions Part 2

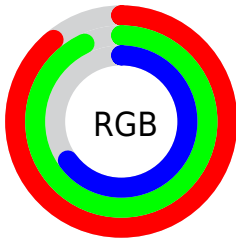
Format	Color
RYB	167, 238, 179
Decimal	14872231
CIELab	91.73, -15.18, 33.12
CIELCh	92, 36.435, 114.625
Yxy	80.1078, 0.3491, 0.4058
Android (android.graphics.Color)	4293062311 (0xFFE2EEA7)
YUV	226.3180, -29.2438, -0.2789
Hunter-Lab	89.5030, -19.1925, 30.5972

Details

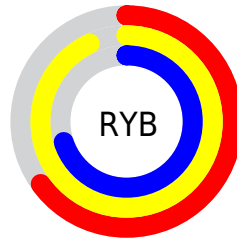
The XYZ color **68.9136, 80.1078, 48.3894** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.8448, 43.3963, 86.7480**, and the grayscale version is **72.7178, 76.5048, 83.3137**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **36.3428, 43.2168, 22.3458** is the 20% darker color. If you saturate the color by 10%, you get **65.6663, 78.6676, 37.7901**, and if you desaturate by 10%, it is **72.5995, 81.7324, 61.1261**.

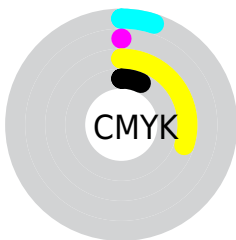
Distribution



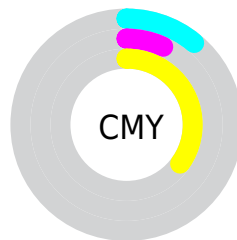
- Red (89%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9136, 80.1078, 48.3894 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 68.9136, 80.1078, 48.3894 by changing the saturation by 10% instead.

68.9136, 80.1078,
48.3894

68.9136, 80.1078,
48.3894

446.0523,
495.2961, 396.8867

50.9177, 59.8071,
33.7732

116.6929,
133.5173, 89.1555

36.3639, 43.2631,
22.4435

147.2071,
167.3948, 116.1424

24.8868, 30.0916,
13.9817

182.6247,
206.5667, 148.0900

16.1210, 19.9082,
7.9693

223.3111,
251.4175, 185.4168

9.7012, 12.3283,
3.9878

269.6318,
302.3314, 228.5413

5.2621, 6.9677,
1.6187

321.9519,

2.4382, 3.4419,

359.6928, 277.8821

0.3041

380.6370,
423.8863, 333.8577

0.8642, 1.3666,
0.0000

0.0000, 0.1919,
0.0000

68.9136, 80.1078,
48.3894

68.9136, 80.1078,
48.3894

65.6663, 78.6676,
37.7901

72.5995, 81.7324,
61.1261

62.8292, 77.3920,
29.2060

76.7388, 83.5391,
76.1032

60.3796, 76.2749,
22.5103

81.3527, 85.5391,
93.4234

58.2903, 75.3052,
17.5599

85.2776, 87.2669,
106.9573

■ 56.5298, 74.4704,
14.1910

■ 86.6749, 87.9873,
107.0227

■ 55.0611, 73.7556,
12.2093

■ 88.1029, 88.7234,
107.0896

■ 53.8225, 73.1361,
11.2914

■ 89.5616, 89.4754,
107.1578

■ 53.8026, 73.1261,
11.2791

■ 89.8662, 89.6324,
107.1721

Harmonies

Analogous

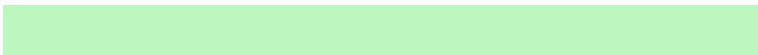
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8312, 80.1078, 45.4515



68.9136, 80.1078, 48.3894



62.4414, 80.1078, 60.7555

Triad

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



68.9136, 80.1078, 48.3894



66.2286, 80.1078, 136.1269



95.4138, 80.1078, 92.1204

Complementary

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



68.9136, 80.1078, 48.3894



47.8448, 43.3963, 86.7480

Split Complementary

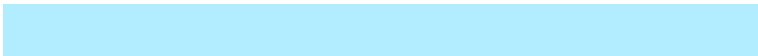
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.7085, 80.1078, 120.4408



68.9136, 80.1078, 48.3894



74.4736, 80.1078, 148.9561

Square

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



68.9136, 80.1078, 48.3894



60.9822, 80.1078, 110.4072



83.8548, 80.1078, 142.6986



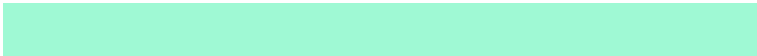
93.6221, 80.1078, 67.5366

Rectangle

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



68.9136, 80.1078, 48.3894



60.1335, 80.1078, 74.3106



83.8548, 80.1078, 142.6986



94.7614, 80.1078, 101.5524

Sweetspot

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



68.9156, 80.1114, 48.3911



90.1593, 97.8805, 90.5221



58.3244, 53.1428, 43.7439



19.1378, 20.8809, 18.7851



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

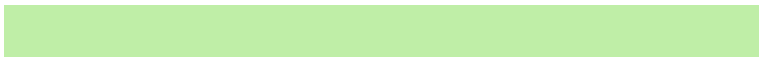
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9156, 80.1114, 48.3911



78.1471, 92.6056, 48.5002



58.9545, 74.9762, 47.9249



16.8453, 18.3159, 16.7972



30.1108, 40.8443, 6.2967



2.5736, 3.4333, 0.5270

Inverse Universe

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



47.8448, 43.3963, 86.7480



49.7089, 43.0360, 100.2946



57.0829, 48.1587, 87.1803



15.1463, 15.3571, 19.8875



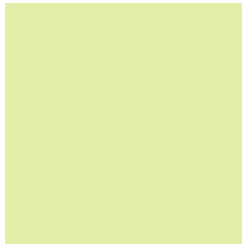
9.1762, 3.7359, 45.3653



0.8350, 0.3477, 3.7773

Previews

White Background



This preview shows how the XYZ color 68.9136, 80.1078, 48.3894 looks on a white background.

Color Contrast Check

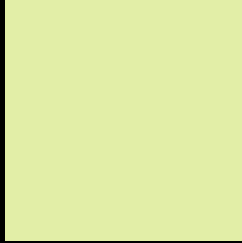
Large Text (above 18pt) WCAG AA × Fail

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 68.9136, 80.1078, 48.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

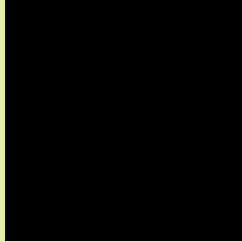
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

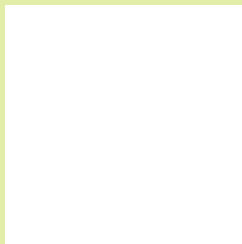
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9136, 80.1078, 48.3894

Background



This preview shows how black text looks on a background with the XYZ color 68.9136, 80.1078, 48.3894.

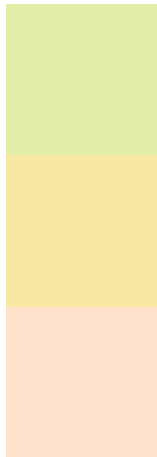


This preview shows how white text looks on a background with the XYZ color 68.9136, 80.1078,

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

68.9136, 80.1078, 48.3894

Protanopia

74.3437, 79.9719, 46.6397

Deuteranopia

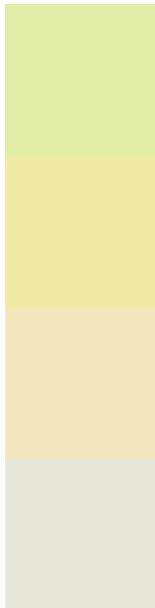
78.9790, 79.8698, 66.5121



Tritanopia

78.9700, 79.9735, 98.4630

Trichromacy



Original Color

68.9136, 80.1078, 48.3894

Protanomaly

72.4900, 80.2630, 47.2690

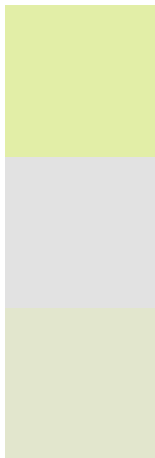
Deuteranomaly

74.7903, 79.5008, 59.5474

Tritanomaly

74.6597, 79.8788, 77.1288

Monochromacy



Original Color

68.9136, 80.1078, 48.3894

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.6803, 77.1702, 68.9277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9136, 80.1078, 48.3894 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(226, 238, 167)` looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 167)  
}
```

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(226, 238, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 167) }
```

Border

The CSS property to change the border of an element to XYZ 68.9136, 80.1078, 48.3894 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(226, 238, 167) }
```


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

```
.border{ border-color:rgb(226, 238, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 238, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 238, 167); box-shadow:4px 4px 4px 4px rgb(226, 238, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9136, 80.1078, 48.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 167) }
```

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

```
.background{ background-color: rgb(226,  
238, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor