

Converting Colors

XYZ(48.0983, 68.6699, 21.3191)

Have a look what the booklet for
XYZ(48.0983, 68.6699, 21.3191)
contains.

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Color

**XYZ(48.0909, 68.6598,
21.3077)**

Conversions

Conversions Part 1

Format	Color
Hex	A9EB5E
RGB	169, 235, 94
RGB Percent	66%, 92%, 37%
CMY	0.3373, 0.0784, 0.6314
CMYK	0.28, 0.00, 0.60, 0.08
HSL	88°, 78%, 65%
HSV	88°, 60%, 92%
XYZ	48.0909, 68.6598, 21.3077
YIQ	199.1920, 5.9250, -57.8430

Conversions

Conversions Part 2

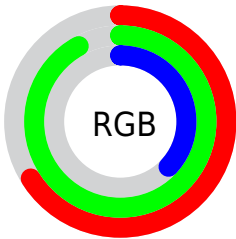
Format	Color
RYB	94, 235, 160
Decimal	11135838
CIELab	86.34, -42.68, 60.33
CIELCh	86, 73.895, 125.278
Yxy	68.6598, 0.3483, 0.4973
Android (android.graphics.Color)	4289325918 (0xFFA9EB5E)
YUV	199.1920, -51.8597, -26.4784
Hunter-Lab	82.8612, -41.4095, 42.7565

Details

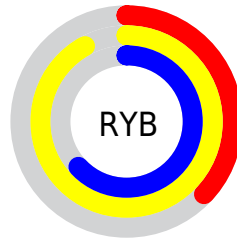
The XYZ color **48.0909, 68.6598, 21.3077** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **33.4983, 21.4792, 80.9814**, and the grayscale version is **54.7105, 57.5597, 62.6825**.

A 20% lighter version of the original color is **72.8634, 90.0208, 41.9692**, and **23.1361, 35.8185, 7.4445** is the 20% darker color. If you saturate the color by 10%, you get **44.9316, 67.1371, 16.4687**, and if you desaturate by 10%, it is **51.7731, 70.4192, 27.8492**.

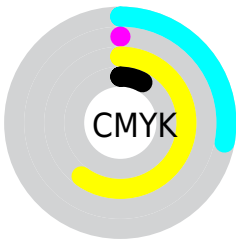
Distribution



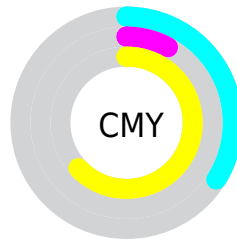
- Red (66%)
- Green (92%)
- Blue (37%)



- Red (37%)
- Yellow (92%)
- Blue (63%)



- Cyan (28%)
- Magenta (0%)
- Yellow (60%)
- Black (8%)





- Cyan (34%)
- Magenta (8%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0909, 68.6598, 21.3077 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 48.0909, 68.6598, 21.3077 by changing the saturation by 10% instead.


 48.0909, 68.6598,
21.3077


 48.0909, 68.6598,
21.3077


369.7289,
455.8302, 271.7438


 34.1104, 50.4347,
13.1557


 86.5486, 117.2955,
46.4865


 23.1417, 35.7589,
7.4038


 111.7566,
148.4750, 64.3503

 14.8195, 24.2481,
3.6337

 141.4377,
184.7413, 86.2885

 8.7783, 15.5177,
1.4266

 175.9574,
226.4789, 112.7196

 4.6528, 9.1835,
0.1623

215.6810,
274.0722, 144.0622

 2.0777, 4.8611,
0.0000

260.9739,

 0.6770, 2.1660,

327.9056, 180.7347

0.0000

312.2014,
388.3635, 223.1557

0.0000, 0.7014,
0.0000

0.0000, 0.0000,
0.0000

48.0909, 68.6598,
21.3077

48.0909, 68.6598,
21.3077

44.9316, 67.1371,
16.4687

51.7731, 70.4192,
27.8492

42.2552, 65.8277,
13.1686


56.0043, 72.4194,
36.2280


40.0224, 64.7174,
11.2196


60.8143, 74.6752,
46.5704


38.1666, 63.7792,
10.2991


66.2293, 77.1974,
58.9904

 38.1665, 63.7792,
10.2990

 72.2734, 79.9963,
73.5933

 78.9692, 83.0814,
90.4770

 85.7683, 86.2337,
106.7320

 88.9998, 87.8996,
106.8833

Harmonies

Analogous

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



62.2886, 68.6598, 14.8113



48.0909, 68.6598, 21.3077



39.7712, 68.6598, 41.9545

Triad

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



48.0909, 68.6598, 21.3077



52.4811, 68.6598, 196.6525



103.6682, 68.6598, 66.4477

Complementary

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



48.0909, 68.6598, 21.3077



33.4983, 21.4792, 80.9814

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.



99.8136, 68.6598, 121.3246



48.0909, 68.6598, 21.3077



68.3225, 68.6598, 212.7176

Square

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



48.0909, 68.6598, 21.3077



41.9793, 68.6598, 143.1858



86.0925, 68.6598, 180.6442



95.8623, 68.6598, 32.5746

Rectangle

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



48.0909, 68.6598, 21.3077



37.7265, 68.6598, 67.2894



86.0925, 68.6598, 180.6442



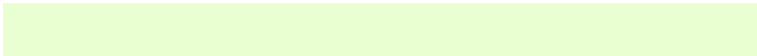
103.7059, 68.6598, 82.7616

Sweetspot

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



48.0925, 68.6628, 21.3092



81.0531, 93.5386, 74.1693



48.8202, 43.5452, 16.4226



16.9154, 19.8199, 14.8516



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.



48.0925, 68.6628, 21.3092



53.2839, 80.4210, 18.7432



36.8437, 62.8638, 20.7827



15.6333, 17.2565, 16.0256



21.3892, 35.5710, 5.7386



1.7905, 2.8504, 0.4558

Inverse Universe

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



33.4983, 21.4792, 80.9814



34.3011, 18.9805, 96.4635



51.7303, 30.8781, 81.8347



14.9016, 14.8946, 19.0118



12.0695, 5.2580, 44.1217



1.0579, 0.4697, 3.4698

Previews

White Background



This preview shows how the XYZ color 48.0909, 68.6598, 21.3077 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 48.0909, 68.6598, 21.3077 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 48.0909, 68.6598, 21.3077

Background



This preview shows how black text looks on a background with the XYZ color 48.0909, 68.6598, 21.3077.

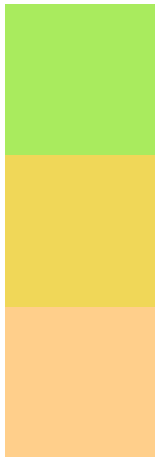


This preview shows how white text looks on a background with the XYZ color 48.0909, 68.6598,

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

48.0909, 68.6598, 21.3077

Protanopia

61.9971, 67.8307, 19.0576

Deuteranopia

68.2130, 67.7497, 33.9079



Tritanopia

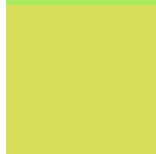
62.0121, 68.1783, 90.7803

Trichromacy



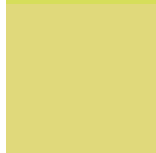
Original Color

48.0909, 68.6598, 21.3077



Protanomaly

55.6983, 67.2769, 19.7230



Deuteranomaly

59.1285, 66.9031, 28.5361



Tritanomaly

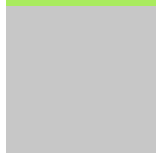
55.0795, 67.3407, 56.5494

Monochromacy



Original Color

48.0909, 68.6598, 21.3077



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.7155, 60.3515, 42.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0909, 68.6598, 21.3077 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(169, 235, 94)` looks like.

```
.text, #text, p{  
    color:rgb(169, 235, 94)  
}
```

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(169, 235, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 235, 94) }
```

Border

The CSS property to change the border of an element to XYZ 48.0909, 68.6598, 21.3077 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(169, 235, 94) }
```


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

```
.border{ border-color:rgb(169, 235, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 235, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 235, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 235, 94);  
box-shadow:4px 4px 4px 4px rgb(169, 235,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0909, 68.6598, 21.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 235, 94) }
```

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

```
.background{ background-color: rgb(169,  
235, 94) }
```

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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