

Converting Colors

XYZ(48.9571, 68.0271, 31.2441)

Have a look what the booklet for
XYZ(48.9571, 68.0271, 31.2441)
contains.

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Color

**XYZ(49.0377, 68.0783,
31.3247)**

Conversions

Conversions Part 1

Format	Color
Hex	A7E981
RGB	167, 233, 129
RGB Percent	65%, 91%, 51%
CMY	0.3451, 0.0863, 0.4941
CMYK	0.28, 0.00, 0.45, 0.09
HSL	98°, 70%, 71%
HSV	98°, 45%, 91%
XYZ	49.0377, 68.0783, 31.3247
YIQ	201.4100, -5.9520, -46.3360

Conversions

Conversions Part 2

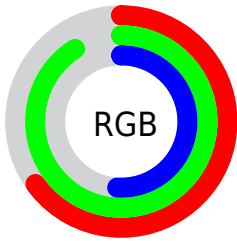
Format	Color
RYB	129, 233, 195
Decimal	11004289
CIELab	86.05, -38.83, 43.91
CIElCh	86, 58.617, 131.487
Yxy	68.0783, 0.3304, 0.4586
Android (android.graphics.Color)	4289194369 (0xFFA7E981)
YUV	201.4100, -35.6981, -30.1776
Hunter-Lab	82.5096, -38.3043, 35.2473

Details

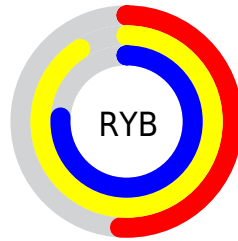
The XYZ color **49.0377, 68.0783, 31.3247** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.0669, 33.1878, 81.1251**, and the grayscale version is **55.9908, 58.9067, 64.1494**.

A 20% lighter version of the original color is **75.0477, 90.7862, 58.3678**, and **23.7438, 35.4248, 12.6074** is the 20% darker color. If you saturate the color by 10%, you get **44.7151, 66.0110, 23.9393**, and if you desaturate by 10%, it is **54.0741, 70.4769, 40.5895**.

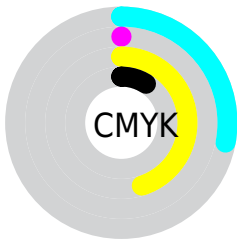
Distribution



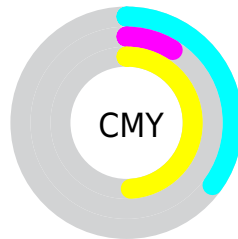
- Red (65%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (76%)



- Cyan (28%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (35%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0377, 68.0783, 31.3247 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 49.0377, 68.0783, 31.3247 by changing the saturation by 10% instead.


 49.0377, 68.0783,
31.3247


 49.0377, 68.0783,
31.3247


373.4052,
453.7734, 322.4288


 34.8640, 49.9614,
20.5857


 87.9478, 116.4642,
62.8365

 23.7242, 35.3828,
12.6332


 113.4150,
147.5019, 84.4463

 15.2528, 23.9579,
7.0487


 143.3774,
183.6155, 110.5169

 9.0845, 15.3024,
3.4137

178.2004,
225.1892, 141.4666

 4.8539, 9.0319,
1.3095

218.2493,
272.6074, 177.7142

 2.1956, 4.7620,
0.0696

263.8895,

 0.7404, 2.1083,

326.2546, 219.6780

0.0000

315.4864,
386.5151, 267.7767

0.0000, 0.6693,
0.0000

0.0000, 0.0000,
0.0000

49.0377, 68.0783,
31.3247

49.0377, 68.0783,
31.3247

44.7151, 66.0110,
23.9393

54.0741, 70.4769,
40.5895

41.0650, 64.2504,
18.3002


59.8526, 73.2127,
51.8459


38.0490, 62.7818,
14.2642


66.4061, 76.3023,
65.2024


35.6218, 61.5856,
11.6629

73.7639, 79.7587,
80.7584

 33.7303, 60.6389,
10.2908

 81.9536, 83.5940,
98.6070

 32.8984, 60.2180,
9.8893

 88.4303, 86.7607,
106.6934

Harmonies

Analogous

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



59.6903, 68.0783, 22.6463



49.0377, 68.0783, 31.3247



43.1451, 68.0783, 53.0016

Triad

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



49.0377, 68.0783, 31.3247



56.8348, 68.0783, 168.9117



93.5126, 68.0783, 60.3292

Complementary

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



49.0377, 68.0783, 31.3247



45.0669, 33.1878, 81.1251

Split Complementary

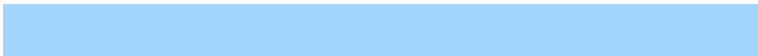
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4675, 68.0783, 100.2272



49.0377, 68.0783, 31.3247



69.9959, 68.0783, 173.0144

Square

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



49.0377, 68.0783, 31.3247



47.1976, 68.0783, 134.8337



83.4008, 68.0783, 144.6299



86.0845, 68.0783, 35.0815

Rectangle

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



49.0377, 68.0783, 31.3247



42.1379, 68.0783, 76.0643



83.4008, 68.0783, 144.6299



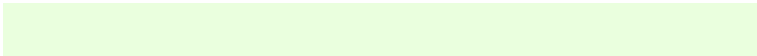
94.1653, 68.0783, 72.2203

Sweetspot

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



49.0394, 68.0812, 31.3262



82.8437, 94.2718, 82.8318



57.0547, 57.8819, 28.9351



17.3248, 19.9865, 16.8822



0.0000, 0.0000, 0.0000



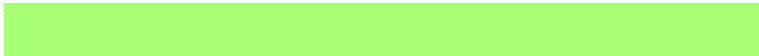
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0394, 68.0812, 31.3262



55.0539, 81.0934, 29.6732



43.1421, 64.9272, 36.1933



15.3880, 17.1300, 16.0141



18.7907, 34.2315, 5.6170



1.5780, 2.7408, 0.4459

Inverse Universe

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



45.0669, 33.1878, 81.1251



49.5379, 32.9478, 98.3564



54.2609, 38.1475, 71.6165



15.1503, 15.0227, 19.0234



15.4031, 6.9765, 44.2777



1.3145, 0.6020, 3.4818

Previews

White Background



This preview shows how the XYZ color 49.0377, 68.0783, 31.3247 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 49.0377, 68.0783, 31.3247 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 49.0377, 68.0783, 31.3247

Background



This preview shows how black text looks on a background with the XYZ color 49.0377, 68.0783, 31.3247.



This preview shows how white text looks on a background with the XYZ color 49.0377, 68.0783,

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

49.0377, 68.0783, 31.3247

Protanopia

61.8204, 67.1604, 28.1173

Deuteranopia

68.4221, 67.4469, 36.2004



Tritanopia

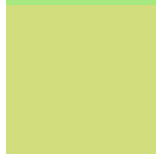
60.7930, 67.5498, 90.7232

Trichromacy



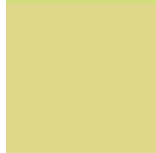
Original Color

49.0377, 68.0783, 31.3247



Protanomaly

56.1365, 66.8952, 29.3554



Deuteranomaly

59.6475, 66.6638, 34.1497



Tritanomaly

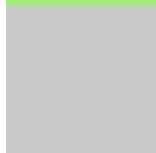
55.4784, 67.3926, 63.5101

Monochromacy



Original Color

49.0377, 68.0783, 31.3247



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.5184, 61.5025, 49.6606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0377, 68.0783, 31.3247 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(167, 233, 129)` looks like.

```
.text, #text, p{  
    color:rgb(167, 233, 129)  
}
```

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(167, 233, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 233, 129) }
```

Border

The CSS property to change the border of an element to XYZ 49.0377, 68.0783, 31.3247 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(167, 233, 129) }
```


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

```
.border{ border-color:rgb(167, 233, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 233, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 233, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 233, 129);  
box-shadow:4px 4px 4px 4px rgb(167, 233,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0377, 68.0783, 31.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 233, 129) }
```

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

```
.background{ background-color: rgb(167,  
233, 129) }
```

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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