

Converting Colors

XYZ(48.5591, 67.0741, 49.5621)

Have a look what the booklet for
XYZ(48.5591, 67.0741, 49.5621)
contains.

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Color

**XYZ(48.5157, 66.9877,
49.4026)**

Conversions

Conversions Part 1

Format	Color
Hex	94E8AC
RGB	148, 232, 172
RGB Percent	58%, 91%, 67%
CMY	0.4196, 0.0902, 0.3255
CMYK	0.36, 0.00, 0.26, 0.09
HSL	137°, 65%, 75%
HSV	137°, 36%, 91%
XYZ	48.5157, 66.9877, 49.4026
YIQ	200.0440, -30.8040, -36.4680

Conversions

Conversions Part 2

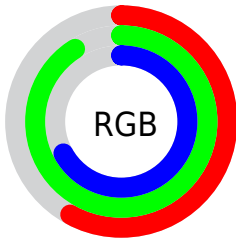
Format	Color
RYB	148, 213, 232
Decimal	9758892
CIELab	85.50, -37.90, 21.31
CIELCh	85, 43.479, 150.647
Yxy	66.9877, 0.2942, 0.4062
Android (android.graphics.Color)	4287948972 (0xFF94E8AC)
YUV	200.0440, -13.8257, -45.6426
Hunter-Lab	81.8460, -37.4214, 21.5045

Details

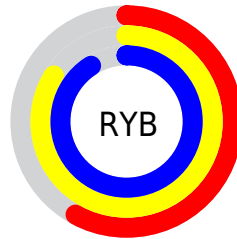
The XYZ color **48.5157, 66.9877, 49.4026** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.2559, 42.8910, 65.0434**, and the grayscale version is **55.0243, 57.8898, 63.0420**.

A 20% lighter version of the original color is **74.6654, 89.9588, 86.8273**, and **23.3693, 34.7097, 22.9207** is the 20% darker color. If you saturate the color by 10%, you get **43.2389, 64.4419, 41.3598**, and if you desaturate by 10%, it is **54.8356, 70.0521, 58.5332**.

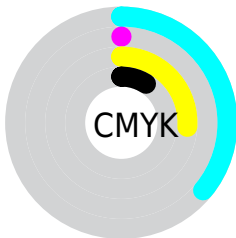
Distribution



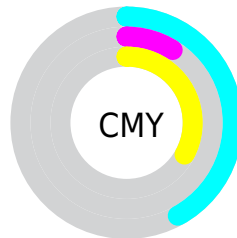
- Red (58%)
- Green (91%)
- Blue (67%)



- Red (58%)
- Yellow (84%)
- Blue (91%)



- Cyan (36%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)





- Cyan (42%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5157, 66.9877, 49.4026 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 48.5157, 66.9877, 49.4026 by changing the saturation by 10% instead.


 48.5157, 66.9877,
49.4026


 48.5157, 66.9877,
49.4026


371.3813,
449.9010, 400.9931

 34.4484, 49.0746,
34.5711


 87.1768, 114.9028,
90.6763

 23.4028, 34.6787,
23.0518


 112.5013,
145.6736, 117.9555

 15.0135, 23.4155,
14.4261


142.3089,
181.4991, 150.2211

 8.9153, 14.9006,
8.2755

176.9650,
222.7637, 187.8916

 4.7426, 8.7496,
4.1814

216.8350,
269.8518, 231.3855

 2.1303, 4.5782,
1.7254

262.2841,

 0.7056, 2.0020,

323.1478, 281.1213

0.3780

313.6777,
383.0361, 337.5177

■ 0.0000, 0.6086,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5157, 66.9877,
49.4026

■ 48.5157, 66.9877,
49.4026

■ 43.2389, 64.4419,
41.3598

■ 54.8356, 70.0521,
58.5332

■ 38.9421, 62.3773,
34.3595

■ 62.2464, 73.6533,
68.7856

■ 35.5633, 60.7647,
28.3600

■ 70.7996, 77.8188,
80.1979

■ 33.0311, 59.5684,
23.3150

■ 80.5415, 82.5720,
92.8049

■ 31.2627, 58.7466,
19.1743

■ 88.1255, 86.1869,
106.4815

■ 30.1565, 58.2480,
15.8827

■ 88.1479, 86.1958,
106.5993

■ 29.8498, 58.1126,
14.8423

Harmonies

Analogous

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



54.4751, 66.9877, 35.4512



48.5157, 66.9877, 49.4026



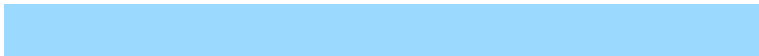
46.5118, 66.9877, 73.5540

Triad

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



48.5157, 66.9877, 49.4026



63.8845, 66.9877, 141.9253



81.4375, 66.9877, 48.5868

Complementary

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



48.5157, 66.9877, 49.4026



55.2559, 42.8910, 65.0434

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.



84.6005, 66.9877, 72.3258



48.5157, 66.9877, 49.4026



73.8449, 66.9877, 130.4207

Square

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



48.5157, 66.9877, 49.4026



54.8105, 66.9877, 131.3275



81.6905, 66.9877, 102.9651



73.4357, 66.9877, 35.0730

Rectangle

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



48.5157, 66.9877, 49.4026



47.5068, 66.9877, 93.8369



81.6905, 66.9877, 102.9651



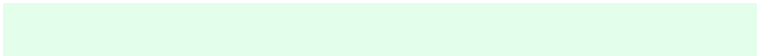
83.1368, 66.9877, 55.3985

Sweetspot

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



48.5175, 66.9905, 49.4041



82.4130, 93.8389, 92.3393



60.2730, 73.2934, 38.9878



17.3329, 19.9359, 19.3542



0.0000, 0.0000, 0.0000



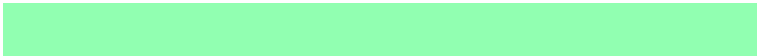
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5175, 66.9905, 49.4041



55.4026, 80.7331, 54.0902



53.1834, 68.8569, 73.9747



14.3578, 16.1565, 16.1489



16.6176, 32.2791, 8.4866



1.2670, 2.4009, 0.8327

Inverse Universe

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



55.2559, 42.8910, 65.0434



64.8290, 46.9819, 75.9392



50.7718, 41.0974, 41.4302



14.8103, 14.5413, 17.2016



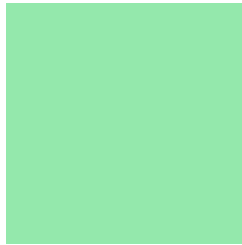
22.3385, 11.0696, 21.2093



1.6903, 0.8338, 1.7754

Previews

White Background



This preview shows how the XYZ color 48.5157, 66.9877, 49.4026 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 48.5157, 66.9877, 49.4026 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 48.5157, 66.9877, 49.4026

Background



This preview shows how black text looks on a background with the XYZ color 48.5157, 66.9877, 49.4026.



This preview shows how white text looks on a background with the XYZ color 48.5157, 66.9877,

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

48.5157, 66.9877, 49.4026

Protanopia

61.8329, 66.0622, 44.1427

Deuteranopia

67.2849, 65.8126, 51.2763



Tritanopia

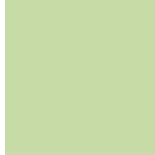
57.1652, 66.8076, 93.1013

Trichromacy



Original Color

48.5157, 66.9877, 49.4026



Protanomaly

55.5032, 65.4220, 45.7788



Deuteranomaly

58.4614, 64.9294, 50.5257



Tritanomaly

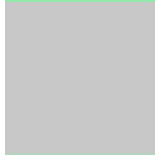
53.4957, 66.5187, 74.9856

Monochromacy



Original Color

48.5157, 66.9877, 49.4026



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.8938, 60.6284, 57.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5157, 66.9877, 49.4026 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(148, 232, 172)` looks like.

```
.text, #text, p{  
    color:rgb(148, 232, 172)  
}
```

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(148, 232, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 232, 172) }
```

Border

The CSS property to change the border of an element to XYZ 48.5157, 66.9877, 49.4026 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(148, 232, 172) }
```


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

```
.border{ border-color:rgb(148, 232, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 232, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 232, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 232, 172); box-shadow:4px 4px 4px 4px rgb(148, 232, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5157, 66.9877, 49.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 232, 172) }
```

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

```
.background{ background-color: rgb(148,  
232, 172) }
```

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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