

Converting Colors

XYZ(48.8909, 67.6998, 41.5975)

Have a look what the booklet for
XYZ(48.8909, 67.6998, 41.5975)
contains.

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Color

**XYZ(48.9599, 67.8125,
41.5190)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE99B
RGB	157, 233, 155
RGB Percent	62%, 91%, 61%
CMY	0.3843, 0.0863, 0.3921
CMYK	0.33, 0.00, 0.33, 0.09
HSL	118°, 64%, 76%
HSV	118°, 33%, 91%
XYZ	48.9599, 67.8125, 41.5190
YIQ	201.3840, -20.2580, -40.3700

Conversions

Conversions Part 2

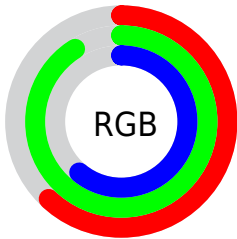
Format	Color
RYB	155, 233, 231
Decimal	10348955
CIELab	85.91, -38.47, 30.68
CIELCh	86, 49.206, 141.426
Yxy	67.8125, 0.3093, 0.4284
Android (android.graphics.Color)	4288539035 (0xFF9DE99B)
YUV	201.3840, -22.8673, -38.9248
Hunter-Lab	82.3483, -37.9831, 27.7506

Details

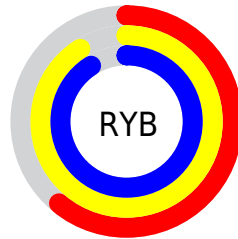
The XYZ color **48.9599, 67.8125, 41.5190** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.3875, 46.3169, 82.9044**, and the grayscale version is **55.9037, 58.8150, 64.0496**.

A 20% lighter version of the original color is **75.1244, 90.4693, 74.4756**, and **23.7638, 35.3071, 18.3944** is the 20% darker color. If you saturate the color by 10%, you get **43.1637, 65.0311, 32.0003**, and if you desaturate by 10%, it is **55.9602, 71.1749, 53.0678**.

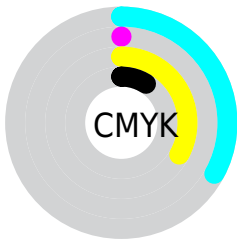
Distribution



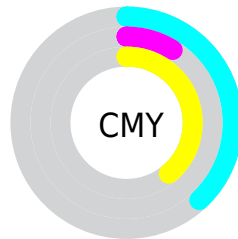
- Red (62%)
- Green (91%)
- Blue (61%)



- Red (61%)
- Yellow (91%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)





- Cyan (38%)
- Magenta (9%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9599, 67.8125, 41.5190 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 48.9599, 67.8125, 41.5190 by changing the saturation by 10% instead.


 48.9599, 67.8125,
41.5190


 48.9599, 67.8125,
41.5190


373.1040,
452.8314, 368.2258

 34.8021, 49.7452,
28.4021


 87.8330, 116.0839,
78.7333

 23.6763, 35.2110,
18.3873


 113.2789,
147.0567, 103.6679

 15.2171, 23.8255,
11.0561


143.2183,
183.1003, 133.3787

 9.0592, 15.2042,
5.9899

178.0165,
224.5988, 168.2843

 4.8372, 8.9628,
2.7703

218.0388,
271.9368, 208.8033

 2.1858, 4.7169,
0.9786

263.6506,

 0.7353, 2.0822,

325.4987, 255.3541

0.0000

315.2172,
385.6687, 308.3555

0.0000, 0.6546,
0.0000

0.0000, 0.0000,
0.0000

48.9599, 67.8125,
41.5190

48.9599, 67.8125,
41.5190

43.1637, 65.0311,
32.0003

55.9602, 71.1749,
53.0678

38.4990, 62.7900,
24.3902

64.2216, 75.1396,
66.7497

34.8933, 61.0565,
18.5614

73.8038, 79.7370,
82.6663

32.2637, 59.7909,
14.3691

84.7611, 84.9932,
100.9111

■ 30.5149, 58.9478,
11.6461

■ 88.4303, 86.7606,
106.6934

■ 29.5325, 58.4727,
10.1893

■ 29.2150, 58.3191,
9.7169

Harmonies

Analogous

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



56.8608, 67.8125, 29.8372



48.9599, 67.8125, 41.5190



45.3210, 67.8125, 64.9692

Triad

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



48.9599, 67.8125, 41.5190



61.2783, 67.8125, 153.7270



86.7918, 67.8125, 53.4152

Complementary

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



48.9599, 67.8125, 41.5190



59.3875, 46.3169, 82.9044

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.



88.3310, 67.8125, 83.4755



48.9599, 67.8125, 41.5190



72.6942, 67.8125, 147.9414

Square

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



48.9599, 67.8125, 41.5190



51.8699, 67.8125, 133.7250



82.9135, 67.8125, 119.6606



78.9241, 67.8125, 35.1827

Rectangle

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



48.9599, 67.8125, 41.5190



45.4692, 67.8125, 86.8194



82.9135, 67.8125, 119.6606



88.1002, 67.8125, 62.2167

Sweetspot

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



48.9616, 67.8154, 41.5205



82.6551, 94.0535, 88.2930



67.9320, 76.5103, 42.1989



17.3476, 19.9662, 18.3272



0.0000, 0.0000, 0.0000



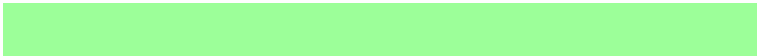
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9616, 67.8154, 41.5205



55.1453, 80.8493, 42.8360



52.1067, 69.0287, 60.1009



14.9040, 16.8805, 15.9915



16.5921, 33.0980, 5.5141



1.3155, 2.6055, 0.4336

Inverse Universe

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



59.3875, 46.3169, 82.9044



69.7264, 50.7702, 100.7324



55.3603, 44.7810, 58.3113



15.6744, 15.2930, 19.0480



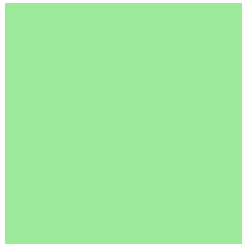
26.3433, 12.6164, 44.7897



2.0807, 0.9969, 3.5176

Previews

White Background



This preview shows how the XYZ color 48.9599, 67.8125, 41.5190 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 48.9599, 67.8125, 41.5190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

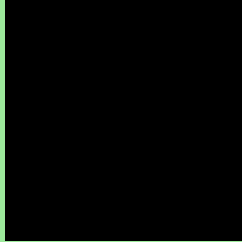
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9599, 67.8125, 41.5190

Background



This preview shows how black text looks on a background with the XYZ color 48.9599, 67.8125, 41.5190.



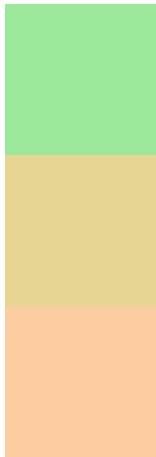
This preview shows how white text looks on a background with the XYZ color 48.9599, 67.8125,

41.5190.

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

48.9599, 67.8125, 41.5190

Protanopia

62.2680, 67.1886, 37.2906

Deuteranopia

68.4092, 66.9313, 43.0317



Tritanopia

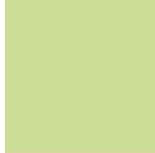
59.0830, 67.4181, 92.3371

Trichromacy



Original Color

48.9599, 67.8125, 41.5190



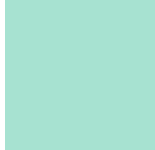
Protanomaly

56.2633, 66.7523, 38.7732



Deuteranomaly

59.1737, 65.8558, 42.3935



Tritanomaly

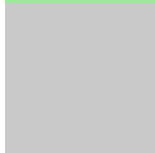
54.6413, 67.2117, 70.4148

Monochromacy



Original Color

48.9599, 67.8125, 41.5190



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.4536, 61.3635, 54.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9599, 67.8125, 41.5190 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(157, 233, 155)` looks like.

```
.text, #text, p{  
    color:rgb(157, 233, 155)  
}
```

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(157, 233, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 233, 155) }
```

Border

The CSS property to change the border of an element to XYZ 48.9599, 67.8125, 41.5190 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(157, 233, 155) }
```


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

```
.border{ border-color:rgb(157, 233, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 233, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 233, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 233, 155);  
box-shadow:4px 4px 4px 4px rgb(157, 233,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9599, 67.8125, 41.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 233, 155) }
```

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

```
.background{ background-color: rgb(157,  
233, 155) }
```

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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