

# Converting Colors

XYZ(46.9899, 63.8925, 41.9117)

Have a look what the booklet for  
XYZ(46.9899, 63.8925, 41.9117)  
contains.

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# Color

**XYZ(46.9925, 63.8950,  
41.7545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CE29D
RGB	156, 226, 157
RGB Percent	61%, 89%, 62%
CMY	0.3882, 0.1137, 0.3843
CMYK	0.31, 0.00, 0.31, 0.11
HSL	121°, 55%, 75%
HSV	121°, 31%, 89%
XYZ	46.9925, 63.8950, 41.7545
YIQ	197.2040, -19.5710, -36.2990

# Conversions

## Conversions Part 2

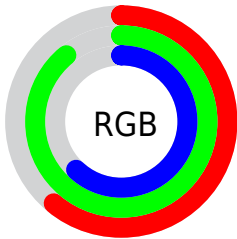
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">156, 225, 226</a>
Decimal	<a href="#">10281629</a>
CIELab	<a href="#">83.91, -35.28, 26.96</a>
CIELCh	<a href="#">84, 44.403, 142.621</a>
Yxy	<a href="#">63.8950, 0.3079, 0.4186</a>
Android (android.graphics.Color)	<a href="#">4288471709 (0xFF9CE29D)</a>
YUV	<a href="#">197.2040, -19.8206, -36.1359</a>
Hunter-Lab	<a href="#">79.9343, -34.9470, 24.9833</a>

# Details

The XYZ color **46.9925, 63.8950, 41.7545** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.8453, 45.3833, 77.0006**, and the grayscale version is **53.3201, 56.0969, 61.0895**.

A 20% lighter version of the original color is **74.7950, 90.2705, 75.7692**, and **22.4040, 32.5942, 18.4751** is the 20% darker color. If you saturate the color by 10%, you get **41.2877, 61.1560, 32.4485**, and if you desaturate by 10%, it is **53.8611, 67.1976, 52.9278**.

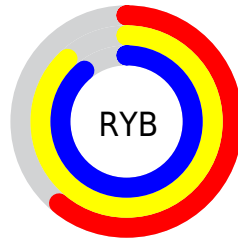
# Distribution



Red (61%)

Green (89%)

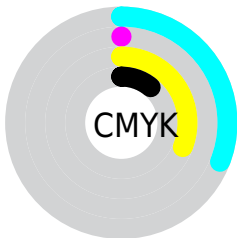
Blue (62%)



Red (61%)

Yellow (88%)

Blue (89%)

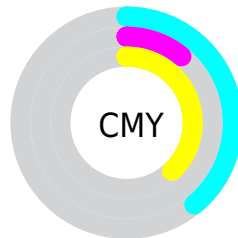


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (11%)



Cyan (39%)

Magenta (11%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9925, 63.8950, 41.7545 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 46.9925, 63.8950, 41.7545 by changing the saturation by 10% instead.



■ 46.9925, 63.8950,  
41.7545

■ 46.9925, 63.8950,  
41.7545

365.4340,  
438.8104, 369.2338

■ 33.2376, 46.5656,  
28.5850

■ 84.9212, 110.4597,  
79.0940

■ 22.4687, 32.6924,  
18.5242

■ 109.8258,  
140.4638, 104.1011

■ 14.3202, 21.8909,  
11.1537

139.1777,  
175.4617, 133.8911

■ 8.4269, 13.7768,  
6.0548

173.3423,  
215.8376, 168.8825

■ 4.4234, 7.9656,  
2.8091

212.6848,  
261.9761, 209.4940

■ 1.9443, 4.0729,  
0.9980


257.5707,

■ 0.6024, 1.7144,

314.2614, 256.1440

0.0000

308.3653,  
373.0781, 309.2511


 0.0000, 0.4330,  
0.0000


 0.0000, 0.0000,  
0.0000


 46.9925, 63.8950,  
41.7545


 46.9925, 63.8950,  
41.7545


 41.2877, 61.1560,  
32.4485


 53.8611, 67.1976,  
52.9278


 36.6777, 58.9417,  
24.9040

 61.9477, 71.0841,  
66.0580

 33.0938, 57.2208,  
19.0114

 71.3090, 75.5839,  
81.2338

 30.4576, 55.9557,  
14.6470

 81.9969, 80.7217,  
98.5376

■ 28.6794, 55.1031,  
11.6696

■ 86.4876, 82.8753,  
106.0459

■ 27.6524, 54.6114,  
9.9121

■ 27.2153, 54.4023,  
9.1591

# Harmonies

## Analogous

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



53.7876, 63.8950, 30.7892



46.9925, 63.8950, 41.7545



43.9407, 63.8950, 62.8876

# Triad

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



46.9925, 63.8950, 41.7545



58.3495, 63.8950, 137.7258



79.7730, 63.8950, 50.8615

# Complementary

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



46.9925, 63.8950, 41.7545



56.8453, 45.3833, 77.0006

# 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.



81.3298, 63.8950, 76.7115



46.9925, 63.8950, 41.7545



68.2461, 63.8950, 131.9845

# Square

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



46.9925, 63.8950, 41.7545



50.0251, 63.8950, 121.6765



76.9142, 63.8950, 107.6090



72.8632, 63.8950, 34.9787



# Rectangle

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



46.9925, 63.8950, 41.7545



44.1816, 63.8950, 82.0007



76.9142, 63.8950, 107.6090



80.9678, 63.8950, 58.4651

# Sweetspot

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



46.9942, 63.8977, 41.7559



83.6742, 94.5319, 90.4623



64.5640, 72.9651, 42.1338



17.5443, 20.0581, 18.7698



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

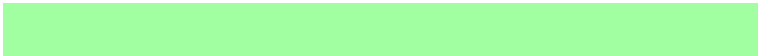


# Same Dimension

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



46.9942, 63.8977, 41.7559



56.9090, 81.6694, 46.9464



50.3125, 65.2250, 59.2299



13.5367, 15.3404, 14.5956



15.5293, 31.0366, 5.2444



1.0792, 2.1524, 0.3785



# Inverse Universe

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



56.8453, 45.3833, 77.0006



71.7573, 53.7610, 100.0679



52.6585, 43.7086, 54.9531



14.2861, 13.9321, 17.2770



25.4781, 12.2582, 40.7789

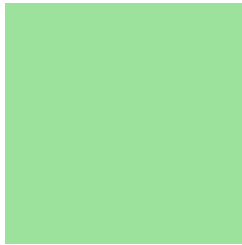


1.7688, 0.8508, 2.8411



# Previews

## White Background



This preview shows how the XYZ color 46.9925, 63.8950, 41.7545 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 46.9925, 63.8950, 41.7545 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 46.9925, 63.8950, 41.7545**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9925, 63.8950, 41.7545.



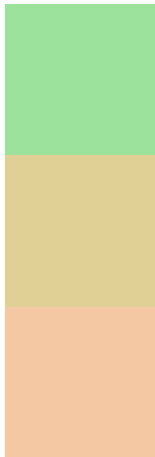
This preview shows how white text looks on a background with the XYZ color 46.9925, 63.8950,

41.7545.

# 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

46.9925, 63.8950, 41.7545

### Protanopia

58.7212, 63.1290, 37.5239

### Deuteranopia

64.5734, 63.1860, 43.4431



## Tritanopia

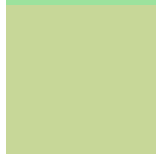
55.9847, 63.5983, 87.1669

# Trichromacy



## Original Color

46.9925, 63.8950, 41.7545



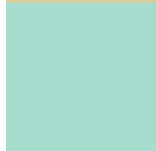
## Protanomaly

53.5211, 63.0100, 39.0470



## Deuteranomaly

56.3849, 62.1712, 42.7467



## Tritanomaly

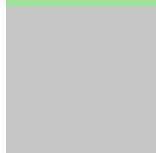
52.2508, 63.6420, 67.9227

# Monochromacy



## Original Color

46.9925, 63.8950, 41.7545



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.2908, 58.4342, 52.8843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9925, 63.8950, 41.7545 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(156, 226, 157)` looks like.

```
.text, #text, p{  
    color:rgb(156, 226, 157)  
}
```

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(156, 226, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 226, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9925, 63.8950, 41.7545 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(156, 226, 157) }
```



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

```
.border{ border-color:rgb(156, 226, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 226, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 226, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 226, 157); box-shadow:4px 4px 4px 4px rgb(156, 226, 157) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9925, 63.8950, 41.7545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 226, 157) }
```

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

```
.background{ background-color: rgb(156,  
226, 157) }
```

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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