

# Converting Colors

XYZ(46.2275, 67.4169, 39.0791)

Have a look what the booklet for  
XYZ(46.2275, 67.4169, 39.0791)  
contains.

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# Color

**XYZ(46.1177, 67.2493,  
38.9835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DEB95
RGB	141, 235, 149
RGB Percent	55%, 92%, 58%
CMY	0.4471, 0.0784, 0.4157
CMYK	0.40, 0.00, 0.37, 0.08
HSL	125°, 70%, 74%
HSV	125°, 40%, 92%
XYZ	46.1177, 67.2493, 38.9835
YIQ	197.0900, -28.4180, -46.6740

# Conversions

## Conversions Part 2

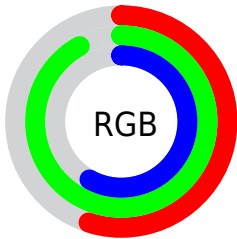
Format	Color
<a href="#">RYB</a>	<a href="#">141, 228, 235</a>
Decimal	<a href="#">9300885</a>
CIELab	<a href="#">85.63, -45.16, 33.21</a>
CIELCh	<a href="#">86, 56.056, 143.672</a>
Yxy	<a href="#">67.2493, 0.3027, 0.4414</a>
Android (android.graphics.Color)	<a href="#">4287490965</a> ( <a href="#">0xFF8DEB95</a> )
YUV	<a href="#">197.0900, -23.7084, -49.1909</a>
Hunter-Lab	<a href="#">82.0057, -43.1265, 29.2189</a>

# Details

The XYZ color **46.1177, 67.2493, 38.9835** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.6532, 42.2594, 77.7939**, and the grayscale version is **53.2778, 56.0524, 61.0410**.

A 20% lighter version of the original color is **69.9478, 87.8854, 70.4037**, and **22.0241, 35.0346, 16.9108** is the 20% darker color. If you saturate the color by 10%, you get **40.9769, 64.7814, 30.5951**, and if you desaturate by 10%, it is **52.4267, 70.2866, 49.0835**.

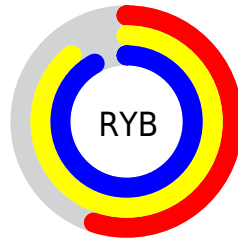
# Distribution



Red (55%)

Green (92%)

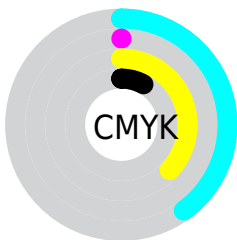
Blue (58%)



Red (55%)

Yellow (89%)

Blue (92%)

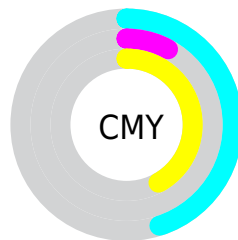


Cyan (40%)

Magenta (0%)

Yellow (37%)

Black (8%)



Cyan (45%)

Magenta (8%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1177, 67.2493, 38.9835 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 46.1177, 67.2493, 38.9835 by changing the saturation by 10% instead.



46.1177, 67.2493,  
38.9835

46.1177, 67.2493,  
38.9835

361.9897,  
450.8316, 357.2442

32.5437, 49.2873,  
26.4392

83.6219, 115.2776,  
74.8332

21.9347, 34.8474,  
16.9238

108.2828,  
146.1126, 98.9756

13.9253, 23.5454,  
10.0188

137.3702,  
182.0073, 127.8211

8.1501, 14.9967,  
5.3056

171.2492,  
223.3463, 161.7883

4.2437, 8.8171,  
2.3658

210.2853,  
270.5138, 201.2956

1.8409, 4.6221,  
0.7677


254.8438,

0.5421, 2.0273,


323.8943, 246.7617


0.0000


305.2902,  
383.8721, 298.6051


 0.0000, 0.6232,  
0.0000


 0.0000, 0.0000,  
0.0000


 46.1177, 67.2493,  
38.9835


 46.1177, 67.2493,  
38.9835


 40.9769, 64.7814,  
30.5951


 52.4267, 70.2866,  
49.0835


 36.9274, 62.8396,  
23.8192

 59.9640, 73.9168,  
60.9778

 33.8916, 61.3880,  
18.5537

 68.7922, 78.1722,  
74.7492

 31.7791, 60.3825,  
14.6829

 78.9676, 83.0804,  
90.4740

■ 30.4836, 59.7710,  
12.0743

■ 88.9996, 87.8993,  
106.8832

■ 29.8359, 59.4698,  
10.5682

# Harmonies

## Analogous

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



54.5639, 67.2493, 25.8773



46.1177, 67.2493, 38.9835



42.5004, 67.2493, 65.7476

# Triad

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



46.1177, 67.2493, 38.9835



61.2520, 67.2493, 167.6319



89.1283, 67.2493, 48.4765

# Complementary

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



46.1177, 67.2493, 38.9835



57.6532, 42.2594, 77.7939

# 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.



91.5402, 67.2493, 81.2447



46.1177, 67.2493, 38.9835



74.2854, 67.2493, 158.2837

# Square

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



46.1177, 67.2493, 38.9835



50.4562, 67.2493, 145.6847



85.7952, 67.2493, 123.2421



79.5845, 67.2493, 29.9452



# Rectangle

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



46.1177, 67.2493, 38.9835



42.9176, 67.2493, 91.1215



85.7952, 67.2493, 123.2421



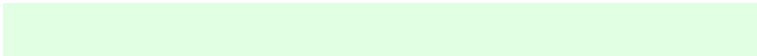
90.8484, 67.2493, 57.8367

# Sweetspot

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



46.1194, 67.2521, 38.9850



80.4903, 92.9776, 86.3804



66.2500, 77.7011, 36.7060



16.9196, 19.7522, 18.0086



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.



46.1194, 67.2521, 38.9850



50.3291, 78.4578, 38.4849



50.6396, 69.0602, 62.7881



14.9204, 16.8830, 16.2635



16.6232, 33.1038, 5.9809



1.3233, 2.6066, 0.5643



# Inverse Universe

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



57.6532, 42.2594, 77.7939



65.9906, 44.4928, 91.1621



52.0431, 40.0154, 48.2514



15.6563, 15.2904, 18.7413



25.9178, 12.5698, 36.9639

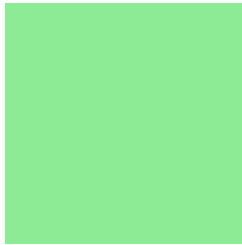


2.0515, 0.9936, 2.9885



# Previews

## White Background



This preview shows how the XYZ color 46.1177, 67.2493, 38.9835 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 46.1177, 67.2493, 38.9835 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 46.1177, 67.2493, 38.9835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.1177, 67.2493, 38.9835.



This preview shows how white text looks on a background with the XYZ color 46.1177, 67.2493,



# 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

46.1177, 67.2493, 38.9835

### Protanopia

61.4829, 66.4709, 34.4006

### Deuteranopia

67.7385, 66.2815, 40.6759



## **Tritanopia**

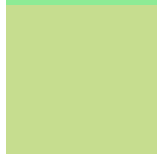
57.1799, 67.1957, 93.9608

# Trichromacy



## Original Color

46.1177, 67.2493, 38.9835



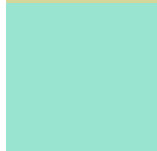
## Protanomaly

54.1031, 65.7018, 35.8168



## Deuteranomaly

57.2016, 64.8978, 39.6487



## Tritanomaly

52.2654, 66.8132, 69.8161

# Monochromacy



## Original Color

46.1177, 67.2493, 38.9835



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

49.6639, 59.2309, 51.9952

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1177, 67.2493, 38.9835 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(141, 235, 149)` looks like.

```
.text, #text, p{  
    color:rgb(141, 235, 149)  
}
```

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(141, 235, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 235, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1177, 67.2493, 38.9835 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(141, 235, 149) }
```



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

```
.border{ border-color:rgb(141, 235, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 235, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 235, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 235, 149); box-shadow:4px 4px 4px 4px rgb(141, 235, 149) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1177, 67.2493, 38.9835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 235, 149) }
```

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

```
.background{ background-color: rgb(141,  
235, 149) }
```

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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