

# Converting Colors

XYZ(48.5239, 75.1176, 41.2198)

Have a look what the booklet for  
XYZ(48.5239, 75.1176, 41.2198)  
contains.

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# Color

**XYZ(48.5239, 75.1176,  
41.2198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FFA97
RGB	127, 250, 151
RGB Percent	50%, 98%, 59%
CMY	0.5020, 0.0196, 0.4078
CMYK	0.49, 0.00, 0.40, 0.02
HSL	132°, 92%, 74%
HSV	132°, 49%, 98%
XYZ	48.5239, 75.1176, 41.2198
YIQ	201.9370, -41.5290, -56.8650

# Conversions

## Conversions Part 2

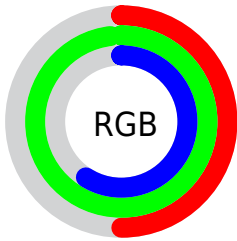
Format	Color
<a href="#">RYB</a>	<a href="#">127, 230, 250</a>
Decimal	<a href="#">8387223</a>
CIELab	<a href="#">89.45, -54.90, 37.13</a>
CIELCh	<a href="#">89, 66.276, 145.933</a>
Yxy	<a href="#">75.1176, 0.2943, 0.4556</a>
Android (android.graphics.Color)	<a href="#">4286577303 (0xFF7FFA97)</a>
YUV	<a href="#">201.9370, -25.1119, -65.7197</a>
Hunter-Lab	<a href="#">86.6704, -51.7370, 32.4714</a>

# Details

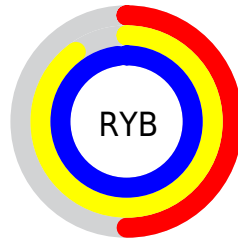
The XYZ color **48.5239, 75.1176, 41.2198** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.7435, 40.9951, 76.6652**, and the grayscale version is **56.2716, 59.2021, 64.4710**.

A 20% lighter version of the original color is **67.1503, 86.4153, 71.5332**, and **23.5021, 40.1646, 18.3182** is the 20% darker color. If you saturate the color by 10%, you get **43.7553, 72.8344, 33.1826**, and if you desaturate by 10%, it is **54.4989, 77.9947, 50.7726**.

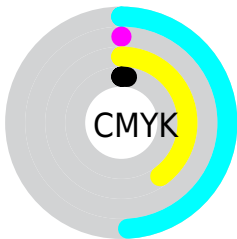
# Distribution



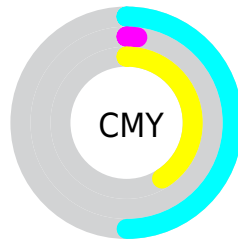
- Red (50%)
- Green (98%)
- Blue (59%)



- Red (50%)
- Yellow (90%)
- Blue (98%)



- Cyan (49%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)




- Cyan (50%)
- Magenta (2%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5239, 75.1176, 41.2198 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 48.5239, 75.1176, 41.2198 by changing the saturation by 10% instead.





 48.5239, 75.1176,  
41.2198


 48.5239, 75.1176,  
41.2198


371.4131,  
478.3217, 366.9422


 34.4549, 55.7092,  
28.1699


 87.1889, 126.4788,  
78.2747

 23.4079, 39.9698,  
18.2136


 112.5157,  
159.2005, 103.1168

 15.0173, 27.5150,  
10.9324


 142.3257,  
197.1287, 132.7267

 8.9179, 17.9604,  
5.9078

176.9845,  
240.6478, 167.5230

 4.7444, 10.9216,  
2.7212

216.8572,  
290.1423, 207.9241

 2.1313, 6.0141,  
0.9541


262.3093,


 0.7061, 2.8537,


345.9965, 254.3487


0.0000


313.7062,  
408.5948, 307.2152


 0.0000, 1.0558,  
0.0000


 0.0000, 0.0000,  
0.0000


 48.5239, 75.1176,  
41.2198


 48.5239, 75.1176,  
41.2198


 43.7553, 72.8344,  
33.1826


 54.4989, 77.9947,  
50.7726


 40.1036, 71.0943,  
26.5782


 61.7503, 81.4940,  
61.9082


 37.4759, 69.8533,  
21.3233


 70.3492, 85.6528,  
74.6959


 35.7608, 69.0558,  
17.3241

 80.3600, 90.5029,  
89.1991

 34.7963, 68.6207,  
14.4733

 91.8428, 96.0741,  
105.4783

 34.7369, 68.5940,  
14.2909

 93.4771, 96.8541,  
108.3757

# Harmonies

## Analogous

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



58.5910, 75.1176, 24.8386



48.5239, 75.1176, 41.2198



44.5547, 75.1176, 75.6084

# Triad

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



48.5239, 75.1176, 41.2198



69.2045, 75.1176, 207.3889



103.3291, 75.1176, 48.5781

# Complementary

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



48.5239, 75.1176, 41.2198



60.7435, 40.9951, 76.6652

# 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.



107.3020, 75.1176, 88.3003



48.5239, 75.1176, 41.2198



85.9450, 75.1176, 191.4851

# Square

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



48.5239, 75.1176, 41.2198



55.2917, 75.1176, 180.5151



100.5205, 75.1176, 142.8245



90.3605, 75.1176, 27.8168



# Rectangle

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



48.5239, 75.1176, 41.2198



45.3784, 75.1176, 108.8834



100.5205, 75.1176, 142.8245



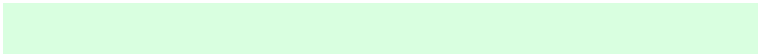
105.8378, 75.1176, 59.6114

# Sweetspot

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



48.5258, 75.1207, 41.2215



77.7846, 91.6268, 84.2591



69.8399, 86.3113, 33.0579



16.1889, 19.3890, 17.3652



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.



48.5258, 75.1207, 41.2215



45.8296, 76.2147, 34.8157



54.7043, 77.5921, 73.7568



17.1558, 19.3646, 19.0210



18.4642, 36.3987, 7.7880



1.7454, 3.3853, 0.9074



# Inverse Universe

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



60.7435, 40.9951, 76.6652



59.9244, 36.7431, 75.6288



53.8941, 38.2554, 40.5970



17.8393, 17.4631, 21.0096



26.5695, 13.0435, 30.7713

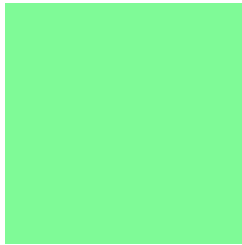


2.4966, 1.2224, 3.0387



# Previews

## White Background



This preview shows how the XYZ color 48.5239, 75.1176, 41.2198 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 48.5239, 75.1176, 41.2198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

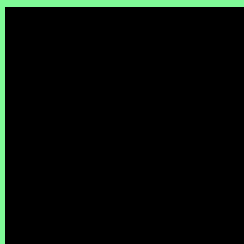
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.5239, 75.1176, 41.2198**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.5239, 75.1176, 41.2198.



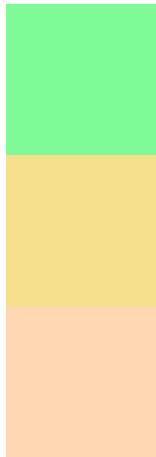
This preview shows how white text looks on a background with the XYZ color 48.5239, 75.1176,



# 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

48.5239, 75.1176, 41.2198

### Protanopia

68.0834, 73.7235, 35.4526

### Deuteranopia

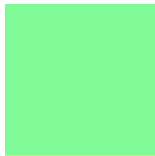
73.9326, 73.6264, 52.9625



## Tritanopia

62.0445, 74.8563, 105.7864

# Trichromacy



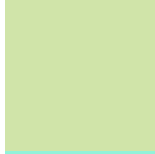
## Original Color

48.5239, 75.1176, 41.2198



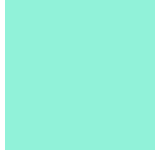
## Protanomaly

58.2603, 72.7090, 37.3491



## Deuteranomaly

60.9173, 71.7613, 48.1767



## Tritanomaly

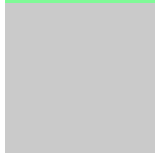
55.9536, 74.5338, 77.0830

# Monochromacy



## Original Color

48.5239, 75.1176, 41.2198



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

51.5580, 63.1959, 54.2804

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.5239, 75.1176, 41.2198 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(127, 250, 151)` looks like.

```
.text, #text, p{  
    color:rgb(127, 250, 151)  
}
```

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(127, 250, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 250, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 48.5239, 75.1176, 41.2198 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(127, 250, 151) }
```



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

```
.border{ border-color:rgb(127, 250, 151) }
```

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

Here you see how a box with a 4 pixel rgb(127, 250, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 250, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 250, 151);  
box-shadow:4px 4px 4px 4px rgb(127, 250,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.5239, 75.1176, 41.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 250, 151) }
```

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

```
.background{ background-color: rgb(127,  
250, 151) }
```

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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