

# Converting Colors

XYZ(44.4427, 65.6005, 46.5627)

Have a look what the booklet for  
XYZ(44.4427, 65.6005, 46.5627)  
contains.

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# Color

**XYZ(44.4741, 65.8098,  
46.4349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BEAA6
RGB	123, 234, 166
RGB Percent	48%, 92%, 65%
CMY	0.5176, 0.0823, 0.3490
CMYK	0.47, 0.00, 0.29, 0.08
HSL	143°, 73%, 70%
HSV	143°, 47%, 92%
XYZ	44.4741, 65.8098, 46.4349
YIQ	193.0590, -44.3280, -44.6800

# Conversions

## Conversions Part 2

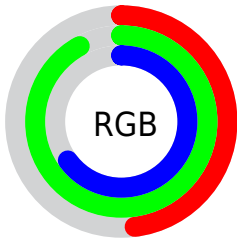
Format	Color
<a href="#">RYB</a>	<a href="#">123, 203, 234</a>
Decimal	<a href="#">8120998</a>
CIELab	<a href="#">84.90, -46.74, 23.42</a>
CIELCh	<a href="#">85, 52.278, 153.382</a>
Yxy	<a href="#">65.8098, 0.2838, 0.4199</a>
Android (android.graphics.Color)	<a href="#">4286311078 (0xFF7BEAA6)</a>
YUV	<a href="#">193.0590, -13.3401, -61.4417</a>
Hunter-Lab	<a href="#">81.1232, -44.1068, 22.8487</a>

# Details

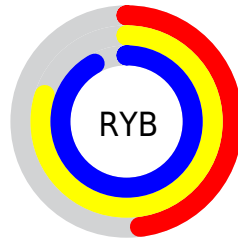
The XYZ color **44.4741, 65.8098, 46.4349** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.4207, 35.4213, 53.4720**, and the grayscale version is **50.8193, 53.4658, 58.2243**.

A 20% lighter version of the original color is **67.8672, 86.5642, 81.5382**, and **20.8738, 33.7492, 21.3337** is the 20% darker color. If you saturate the color by 10%, you get **40.2758, 63.7909, 39.7529**, and if you desaturate by 10%, it is **49.6224, 68.3051, 53.9294**.

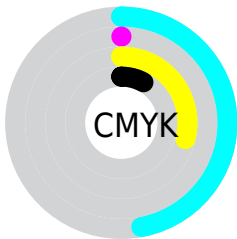
# Distribution



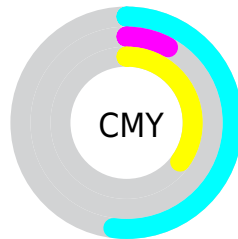
- Red (48%)
- Green (92%)
- Blue (65%)



- Red (48%)
- Yellow (80%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)




- Cyan (52%)
- Magenta (8%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4741, 65.8098, 46.4349 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 44.4741, 65.8098, 46.4349 by changing the saturation by 10% instead.




 44.4741, 65.8098,  
46.4349


 44.4741, 65.8098,  
46.4349


355.4591,  
445.6964, 388.8826


 31.2429, 48.1180,  
32.2380


 81.1726, 113.2133,  
86.2106

 20.9366, 33.9204,  
21.2770


 105.3706,  
143.6938, 112.6265

 13.1899, 22.8324,  
13.1334


 133.9550,  
179.2060, 143.9525

 7.6373, 14.4698,  
7.3887

167.2910,  
220.1343, 180.6071

 3.9136, 8.4482,  
3.6242

205.7441,  
266.8631, 223.0089

 1.6534, 4.3830,  
1.4216


249.6796,

 0.4268, 1.8900,

319.7768, 271.5764


0.1584


299.4628,  
379.2597, 326.7281


 0.0000, 0.5424,  
0.0000


 0.0000, 0.0000,  
0.0000


 44.4741, 65.8098,  
46.4349

 44.4741, 65.8098,  
46.4349


 40.2758, 63.7909,  
39.7529


 49.6224, 68.3051,  
53.9294


 36.9597, 62.2086,  
33.8511


 55.7724, 71.2976,  
62.2585


 34.4567, 61.0296,  
28.7013


 62.9779, 74.8162,  
71.4490

 32.6842, 60.2121,  
24.2717


 71.2874, 78.8855,  
81.5248

 31.5342, 59.7009,  
20.5276

 80.7462, 83.5284,  
92.5093

 31.2973, 59.5975,  
19.6723

 88.2372, 87.1374,  
104.2768

 88.7141, 87.3282,  
106.7880

# Harmonies

## Analogous

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



50.9421, 65.8098, 30.1176



44.4741, 65.8098, 46.4349



42.6272, 65.8098, 75.5349

# Triad

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



44.4741, 65.8098, 46.4349



63.8905, 65.8098, 157.4217



83.3388, 65.8098, 41.6649

# Complementary

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



44.4741, 65.8098, 46.4349



50.4207, 35.4213, 53.4720

# 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.



87.8771, 65.8098, 67.9116



44.4741, 65.8098, 46.4349



75.8001, 65.8098, 140.2647

# Square

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



44.4741, 65.8098, 46.4349



52.9788, 65.8098, 146.3136



84.9605, 65.8098, 104.6700



73.2102, 65.8098, 28.0293



# Rectangle

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



44.4741, 65.8098, 46.4349



44.0467, 65.8098, 100.4719



84.9605, 65.8098, 104.6700



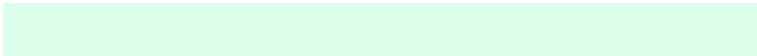
85.6223, 65.8098, 48.9545

# Sweetspot

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



44.4758, 65.8125, 46.4364



79.7903, 92.5172, 90.8401



54.5994, 71.4135, 29.6459



16.6271, 19.5816, 18.8891



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.



44.4758, 65.8125, 46.4364



49.0258, 77.5641, 48.4427



50.6511, 68.2826, 78.9547



15.1099, 16.9588, 17.2614



17.6438, 33.5120, 11.3553



1.4313, 2.6498, 1.1331



# Inverse Universe

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



50.4207, 35.4213, 53.4720



57.0515, 36.4458, 57.8745



45.4568, 33.4357, 27.3326



15.4532, 15.2091, 17.6720



21.9323, 10.9756, 15.9768



1.7691, 0.8806, 1.5013



# Previews

## White Background



This preview shows how the XYZ color 44.4741, 65.8098, 46.4349 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 44.4741, 65.8098, 46.4349 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 44.4741, 65.8098, 46.4349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4741, 65.8098, 46.4349.



This preview shows how white text looks on a background with the XYZ color 44.4741, 65.8098,



# 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

44.4741, 65.8098, 46.4349

### Protanopia

60.3270, 64.6285, 40.3053

### Deuteranopia

65.9716, 64.4913, 48.5061



## Tritanopia

53.8380, 65.4729, 93.8044

# Trichromacy



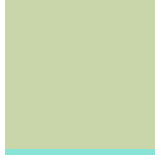
## Original Color

44.4741, 65.8098, 46.4349



## Protanomaly

52.5758, 63.9851, 42.3802



## Deuteranomaly

55.1217, 63.2748, 47.3382



## Tritanomaly

49.8727, 65.4927, 73.6311

# Monochromacy



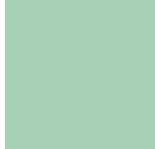
## Original Color

44.4741, 65.8098, 46.4349



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

47.2516, 56.8555, 53.2835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4741, 65.8098, 46.4349 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(123, 234, 166)` looks like.

```
.text, #text, p{  
    color:rgb(123, 234, 166)  
}
```

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(123, 234, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 234, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4741, 65.8098, 46.4349 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(123, 234, 166) }
```



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

```
.border{ border-color:rgb(123, 234, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 234, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 234, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 234, 166);  
box-shadow:4px 4px 4px 4px rgb(123, 234,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4741, 65.8098, 46.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 234, 166) }
```

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

```
.background{ background-color: rgb(123,  
234, 166) }
```

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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