

# Converting Colors

$Yxy(45.1912, 0.3187, 0.4772)$

Have a look what the booklet for  
Yxy(45.1912, 0.3187, 0.4772)  
contains.

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# Color

**Yxy(45.3208, 0.3186, 0.4767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78C665
RGB	120, 198, 101
RGB Percent	47%, 78%, 40%
CMY	0.5294, 0.2235, 0.6039
CMYK	0.39, 0.00, 0.49, 0.22
HSL	108°, 46%, 59%
HSV	108°, 49%, 78%
XYZ	30.2899, 45.3208, 19.4612
YIQ	163.6200, -15.3510, -46.7030

# Conversions

## Conversions Part 2

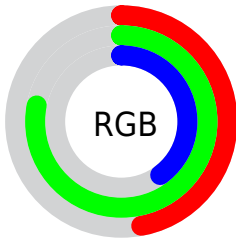
Format	Color
<a href="#">RYB</a>	<a href="#">101, 198, 179</a>
Decimal	<a href="#">7915109</a>
CIELab	<a href="#">73.10, -42.54, 40.97</a>
CIELCh	<a href="#">73, 59.056, 136.078</a>
Yxy	<a href="#">45.3208, 0.3186, 0.4767</a>
Android (android.graphics.Color)	<a href="#">4286105189 (0xFF78C665)</a>
YUV	<a href="#">163.6200, -30.8717, -38.2547</a>
Hunter-Lab	<a href="#">67.3207, -37.4979, 29.9848</a>

# Details

The Yxy color **45.3208, 0.3186, 0.4767** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.9652, 0.2972, 0.2041**, and the grayscale version is **37.0913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0832, 0.3198, 0.4466**, and **21.0078, 0.3140, 0.5235** is the 20% darker color. If you saturate the color by 10%, you get **43.9350, 0.3179, 0.5097**, and if you desaturate by 10%, it is **46.9932, 0.3184, 0.4430**.

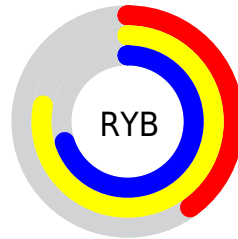
# Distribution



Red (47%)

Green (78%)

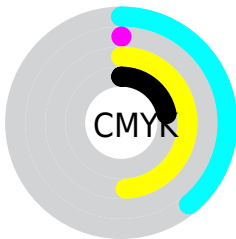
Blue (40%)



Red (40%)

Yellow (78%)

Blue (70%)

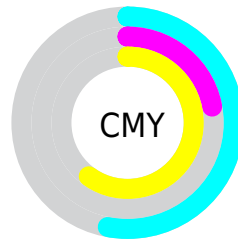


Cyan (39%)

Magenta (0%)

Yellow (49%)

Black (22%)



Cyan (53%)

Magenta (22%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3208, 0.3186, 0.4767 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 Yxy color 45.3208, 0.3186, 0.4767 by changing the saturation by 10% instead.





 45.3208, 0.3186,  
0.4767


 45.3208, 0.3186,  
0.4767


368.0713, 0.3192,  
0.3980

 31.7102, 0.3170,  
0.4975


 83.2016, 0.3198,  
0.4472


 21.1402, 0.3140,  
0.5246


 108.2406, 0.3199,  
0.4363

 13.2265, 0.3083,  
0.5611


 137.8578, 0.3199,  
0.4273

 7.5847, 0.2966,  
0.6118

 172.4376, 0.3199,  
0.4196

 3.8304, 0.2843,  
0.7157

212.3645, 0.3197,  
0.4131

 1.5791, 0.1773,  
0.8227

258.0228, 0.3195,

 0.3435, 0.0000,

0.4074

1.0000

309.7969, 0.3194,  
0.4024

0.0000, 0.0000,  
0.0000

45.3208, 0.3186,  
0.4767

45.3208, 0.3186,  
0.4767

43.9350, 0.3179,  
0.5097

46.9932, 0.3184,  
0.4430

42.8137, 0.3163,  
0.5398

48.9612, 0.3175,  
0.4102

41.9412, 0.3137,  
0.5648


51.2405, 0.3161,  
0.3796

41.2969, 0.3104,  
0.5829

53.8441, 0.3144,  
0.3516


40.8532, 0.3067,  
0.5940

56.7841, 0.3125,  
0.3266

 40.8170, 0.3064,  
0.5949

 60.0720, 0.3106,  
0.3045

 63.7188, 0.3086,  
0.2851

 67.4486, 0.3097,  
0.2722

 68.8691, 0.3153,  
0.2732

# Harmonies

## Analogous

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



45.3208, 0.3959, 0.4746



45.3208, 0.3186, 0.4767



45.3208, 0.2440, 0.4168

# Triad

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



45.3208, 0.3186, 0.4767



45.3208, 0.1818, 0.2142



45.3208, 0.4472, 0.3112

# Complementary

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



45.3208, 0.3186, 0.4767



22.9652, 0.2972, 0.2041

# 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.



45.3208, 0.3735, 0.2589



45.3208, 0.3186, 0.4767



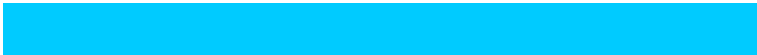
45.3208, 0.2210, 0.2052

# Square

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



45.3208, 0.3186, 0.4767



45.3208, 0.1718, 0.2535



45.3208, 0.2885, 0.2215



45.3208, 0.4771, 0.3704

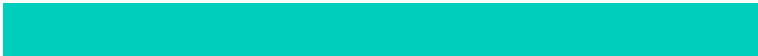


# Rectangle

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



45.3208, 0.3186, 0.4767



45.3208, 0.2060, 0.3565



45.3208, 0.2885, 0.2215



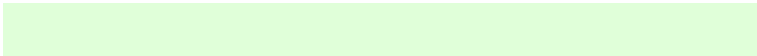
45.3208, 0.4262, 0.2926

# Sweetspot

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



45.3227, 0.3186, 0.4767



92.4040, 0.3155, 0.3687



45.0259, 0.3950, 0.4268



19.5733, 0.3159, 0.3748



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



45.3227, 0.3186, 0.4767



77.6030, 0.3178, 0.5125



44.7698, 0.2885, 0.4363



11.9863, 0.3145, 0.3527



26.5725, 0.3071, 0.5944



1.2888, 0.3211, 0.5833



# Inverse Universe

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



22.9652, 0.2972, 0.2041



33.3200, 0.2921, 0.1794



24.1732, 0.3525, 0.2428



10.7075, 0.3107, 0.3060



7.4929, 0.2722, 0.1273



0.3824, 0.2829, 0.1332



# Previews

## White Background



This preview shows how the Yxy color 45.3208, 0.3186, 0.4767 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 Yxy color 45.3208, 0.3186, 0.4767 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](#).

**Yxy 45.3208, 0.3186, 0.4767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.3208, 0.3186, 0.4767.



This preview shows how white text looks on a background with the Yxy color 45.3208, 0.3186, 0.4767.

# 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

45.3208, 0.3186, 0.4767

### Protanopia

44.9187, 0.3990, 0.4354

### Deuteranopia

44.4311, 0.4120, 0.4032



## Tritanopia

45.2082, 0.2653, 0.3082

# Trichromacy



## Original Color

45.3208, 0.3186, 0.4767



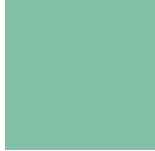
## Protanomaly

44.4159, 0.3664, 0.4510



## Deuteranomaly

43.4862, 0.3749, 0.4298



## Tritanomaly

44.8035, 0.2851, 0.3672

# Monochromacy



## Original Color

45.3208, 0.3186, 0.4767



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.2697, 0.3163, 0.3817

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  45.3208, 0.3186, 0.4767 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(120, 198, 101)` looks like.

```
.text, #text, p{  
    color:rgb(120, 198, 101)  
}
```

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(120, 198, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 198, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3208, 0.3186, 0.4767 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(120, 198, 101) }
```

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

```
.border{ border-color:rgb(120, 198, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 198, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 198, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 198, 101);  
box-shadow:4px 4px 4px 4px rgb(120, 198,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3208, 0.3186, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 198, 101) }
```

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

```
.background{ background-color: rgb(120,  
198, 101) }
```

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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