

# Converting Colors

Yxy(43.0061, 0.2963, 0.4327)

Have a look what the booklet for  
Yxy(43.0061, 0.2963, 0.4327)  
contains.

<b>Yxy(43.0517, 0.2965, 0.4334)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.0517, 0.2965, 0.4334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC17F
RGB	111, 193, 127
RGB Percent	44%, 76%, 50%
CMY	0.5648, 0.2431, 0.5020
CMYK	0.43, 0.00, 0.34, 0.24
HSL	132°, 40%, 60%
HSV	132°, 43%, 76%
XYZ	29.4528, 43.0517, 26.8303
YIQ	160.9580, -27.6860, -37.9100

# Conversions

## Conversions Part 2

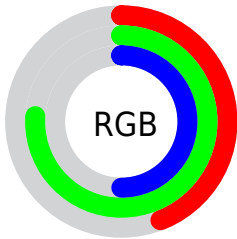
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 180, 193
Decimal	7324031
CIELab	71.59, -39.19, 25.63
CIElCh	72, 46.830, 146.817
Yxy	43.0517, 0.2965, 0.4334
Android (android.graphics.Color)	4285514111 (0xFF6FC17F)
YUV	160.9580, -16.7413, -43.8132
Hunter-Lab	65.6138, -34.6989, 21.6852

# Details

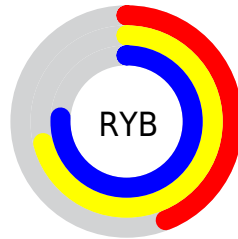
The Yxy color **43.0517, 0.2965, 0.4334** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8759, 0.3353, 0.2437**, and the grayscale version is **35.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7735, 0.3006, 0.4124**, and **19.8418, 0.2888, 0.4696** is the 20% darker color. If you saturate the color by 10%, you get **41.5599, 0.2937, 0.4633**, and if you desaturate by 10%, it is **44.8800, 0.2999, 0.4050**.

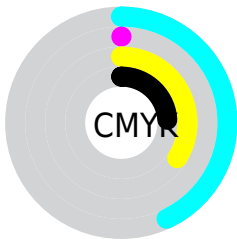
# Distribution



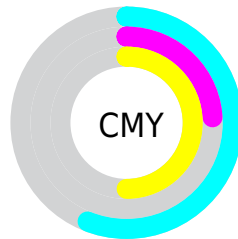
- Red (44%)
- Green (76%)
- Blue (50%)



- Red (44%)
- Yellow (71%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (24%)




- Cyan (56%)
- Magenta (24%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0517, 0.2965, 0.4334 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 43.0517, 0.2965, 0.4334 by changing the saturation by 10% instead.




 43.0517, 0.2965,  
0.4334


 43.0517, 0.2965,  
0.4334


358.8243, 0.3064,  
0.3774


 29.9257, 0.2934,  
0.4486


 79.7889, 0.3006,  
0.4122

 19.7822, 0.2889,  
0.4688


 104.1688, 0.3020,  
0.4045

 12.2368, 0.2821,  
0.4970

 133.0689, 0.3031,  
0.3980

 6.9052, 0.2709,  
0.5385

166.8734, 0.3040,  
0.3926

 3.4029, 0.2506,  
0.6052

205.9668, 0.3047,  
0.3880

 1.3455, 0.1634,  
0.8366

250.7335, 0.3054,

 0.1760, 0.0000,

0.3840

1.0000

301.5579, 0.3059,  
0.3805

■ 0.0000, 0.0000,  
0.0000

■ 43.0517, 0.2965,  
0.4334

■ 43.0517, 0.2965,  
0.4334

■ 41.5599, 0.2937,  
0.4633

■ 44.8800, 0.2999,  
0.4050

■ 40.3789, 0.2918,  
0.4934

■ 47.0580, 0.3038,  
0.3787

■ 39.4875, 0.2910,  
0.5222


■ 49.6050, 0.3077,  
0.3549


■ 38.8599, 0.2915,  
0.5479


■ 52.5370, 0.3117,  
0.3339


■ 38.4654, 0.2932,  
0.5690


■ 55.8692, 0.3156,  
0.3154

 38.2816, 0.2948,  
0.5812

 59.6160, 0.3193,  
0.2992

 63.7909, 0.3229,  
0.2852

 66.3849, 0.3183,  
0.2717

 66.6238, 0.3156,  
0.2683

# Harmonies

## Analogous

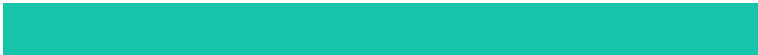
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0517, 0.3616, 0.4522



43.0517, 0.2965, 0.4334



43.0517, 0.2392, 0.3741

# Triad

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



43.0517, 0.2965, 0.4334



43.0517, 0.2127, 0.2285



43.0517, 0.4348, 0.3339

# Complementary

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



43.0517, 0.2965, 0.4334



25.8759, 0.3353, 0.2437

# 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.



43.0517, 0.3860, 0.2861



43.0517, 0.2965, 0.4334



43.0517, 0.2552, 0.2280

# Square

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



43.0517, 0.2965, 0.4334



43.0517, 0.1951, 0.2535



43.0517, 0.3179, 0.2487



43.0517, 0.4453, 0.3847

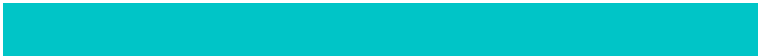


# Rectangle

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



43.0517, 0.2965, 0.4334



43.0517, 0.2126, 0.3269



43.0517, 0.3179, 0.2487



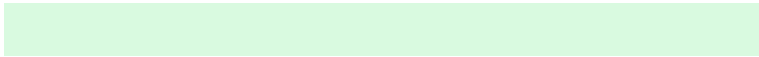
43.0517, 0.4222, 0.3172

# Sweetspot

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



43.0535, 0.2965, 0.4334



88.4926, 0.3075, 0.3565



48.7522, 0.3618, 0.4378



18.7564, 0.3066, 0.3616



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.0535, 0.2965, 0.4334



74.5965, 0.2939, 0.4611



44.3127, 0.2710, 0.3683



11.2903, 0.3090, 0.3481



25.4684, 0.2943, 0.5794



1.1102, 0.2828, 0.5382



# Inverse Universe

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



25.8759, 0.3353, 0.2437



39.7732, 0.3418, 0.2266



24.5064, 0.3861, 0.2939



10.2127, 0.3167, 0.3107



9.1336, 0.3767, 0.1849



0.4035, 0.3621, 0.1768



# Previews

## White Background



This preview shows how the Yxy color 43.0517, 0.2965, 0.4334 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 43.0517, 0.2965, 0.4334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

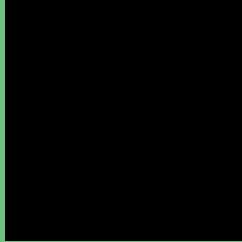
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.0517, 0.2965, 0.4334**

## Background



This preview shows how black text looks on a background with the Yxy color 43.0517, 0.2965, 0.4334.



This preview shows how white text looks on a background with the Yxy color 43.0517, 0.2965, 0.4334.

# 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

43.0517, 0.2965, 0.4334

### Protanopia

42.4228, 0.3742, 0.4024

### Deuteranopia

42.3100, 0.3805, 0.3724



## Tritanopia

42.9165, 0.2595, 0.3076

# Trichromacy



## Original Color

43.0517, 0.2965, 0.4334



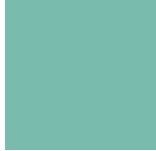
## Protanomaly

42.0300, 0.3424, 0.4143



## Deuteranomaly

41.3473, 0.3458, 0.3927



## Tritanomaly

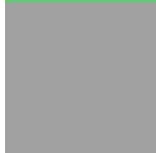
42.6227, 0.2725, 0.3498

# Monochromacy



## Original Color

43.0517, 0.2965, 0.4334



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

37.8967, 0.3057, 0.3655

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0517, 0.2965, 0.4334 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(111, 193, 127)` looks like.

```
.text, #text, p{  
    color:rgb(111, 193, 127)  
}
```

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(111, 193, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 193, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0517, 0.2965, 0.4334 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(111, 193, 127) }
```

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

```
.border{ border-color:rgb(111, 193, 127) }
```

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

Here you see how a box with a 4 pixel rgb(111, 193, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 193, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 193, 127);  
box-shadow:4px 4px 4px 4px rgb(111, 193,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0517, 0.2965, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 193, 127) }
```

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

```
.background{ background-color: rgb(111,  
193, 127) }
```

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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