

# Converting Colors

$Yxy(45.0950, 0.3269, 0.4335)$

Have a look what the booklet for  
Yxy(45.0950, 0.3269, 0.4335)  
contains.

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# Color

**Yxy(45.0995, 0.3265, 0.4333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91C079
RGB	145, 192, 121
RGB Percent	57%, 75%, 47%
CMY	0.4312, 0.2471, 0.5255
CMYK	0.24, 0.00, 0.37, 0.25
HSL	100°, 36%, 61%
HSV	100°, 37%, 75%
XYZ	33.9834, 45.0995, 25.0009
YIQ	169.8530, -5.2210, -32.0450

# Conversions

## Conversions Part 2

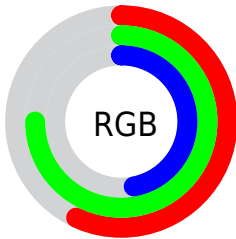
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">121, 192, 168</a>
Decimal	<a href="#">9551993</a>
CIELab	<a href="#">72.96, -28.56, 30.91</a>
CIELCh	<a href="#">73, 42.080, 132.740</a>
Yxy	<a href="#">45.0995, 0.3265, 0.4333</a>
Android (android.graphics.Color)	<a href="#">4287742073 (0xFF91C079)</a>
YUV	<a href="#">169.8530, -24.0845, -21.7961</a>
Hunter-Lab	<a href="#">67.1562, -27.1961, 24.9368</a>

# Details

The Yxy color **45.0995, 0.3265, 0.4333** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.7980, 0.2916, 0.2315**, and the grayscale version is **40.2503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0867, 0.3250, 0.4132**, and **20.9590, 0.3281, 0.4665** is the 20% darker color. If you saturate the color by 10%, you get **43.5862, 0.3288, 0.4652**, and if you desaturate by 10%, it is **46.8393, 0.3233, 0.4023**.

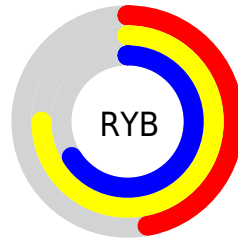
# Distribution



Red (57%)

Green (75%)

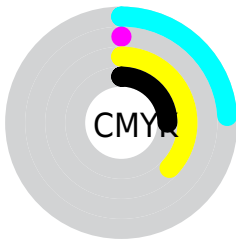
Blue (47%)



Red (47%)

Yellow (75%)

Blue (66%)

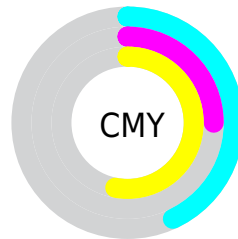


Cyan (24%)

Magenta (0%)

Yellow (37%)

Black (25%)



Cyan (43%)

Magenta (25%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0995, 0.3265, 0.4333 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 45.0995, 0.3265, 0.4333 by changing the saturation by 10% instead.




 45.0995, 0.3265,  
0.4333

 45.0995, 0.3265,  
0.4333


367.1764, 0.3212,  
0.3785


 31.5358, 0.3271,  
0.4477


 82.8697, 0.3251,  
0.4128

 21.0072, 0.3275,  
0.4666


 107.8450, 0.3244,  
0.4053

 13.1293, 0.3272,  
0.4922


 137.3930, 0.3237,  
0.3990

 7.5176, 0.3248,  
0.5286

171.8980, 0.3231,  
0.3936

 3.7879, 0.3190,  
0.5870

211.7444, 0.3226,  
0.3891

 1.5556, 0.2999,  
0.7001

257.3167, 0.3221,

 0.3274, 0.0000,

0.3851

1.0000

308.9992, 0.3217,  
0.3816

0.0000, 0.0000,  
0.0000

45.0995, 0.3265,  
0.4333

45.0995, 0.3265,  
0.4333

43.5862, 0.3288,  
0.4652

46.8393, 0.3233,  
0.4023

42.2839, 0.3299,  
0.4965

48.8090, 0.3196,  
0.3731

41.1837, 0.3295,  
0.5256


51.0192, 0.3156,  
0.3462


40.2741, 0.3275,  
0.5507


53.4779, 0.3115,  
0.3219


39.5418, 0.3238,  
0.5700


56.1929, 0.3074,  
0.3002

 38.9704, 0.3190,  
0.5829

 59.1716, 0.3034,  
0.2809

 38.8222, 0.3175,  
0.5861

 62.3958, 0.2999,  
0.2643

 64.6213, 0.3093,  
0.2661

 66.1773, 0.3156,  
0.2673

# Harmonies

## Analogous

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



45.0995, 0.3822, 0.4327



45.0995, 0.3265, 0.4333



45.0995, 0.2700, 0.3959

# Triad

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



45.0995, 0.3265, 0.4333



45.0995, 0.2125, 0.2470



45.0995, 0.4039, 0.3132

# Complementary

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



45.0995, 0.3265, 0.4333



25.7980, 0.2916, 0.2315

# 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.



45.0995, 0.3503, 0.2733



45.0995, 0.3265, 0.4333



45.0995, 0.2409, 0.2359

# Square

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



45.0995, 0.3265, 0.4333



45.0995, 0.2077, 0.2812



45.0995, 0.2899, 0.2458



45.0995, 0.4305, 0.3589



# Rectangle

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



45.0995, 0.3265, 0.4333



45.0995, 0.2393, 0.3567



45.0995, 0.2899, 0.2458



45.0995, 0.3882, 0.2989

# Sweetspot

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



45.1014, 0.3265, 0.4333



90.7144, 0.3173, 0.3572



40.2770, 0.3785, 0.3906



19.3438, 0.3179, 0.3609



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.



45.1014, 0.3265, 0.4333



79.5702, 0.3284, 0.4579



43.4181, 0.3005, 0.4226



11.4209, 0.3166, 0.3524



26.1634, 0.3184, 0.5854



1.1688, 0.3366, 0.5709



# Inverse Universe

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



25.7980, 0.2916, 0.2315



39.7303, 0.2857, 0.2104



28.2299, 0.3282, 0.2507



10.0712, 0.3085, 0.3059



5.6394, 0.2379, 0.1084



0.2803, 0.2569, 0.1189



# Previews

## White Background



This preview shows how the Yxy color 45.0995, 0.3265, 0.4333 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 45.0995, 0.3265, 0.4333 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 45.0995, 0.3265, 0.4333**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0995, 0.3265, 0.4333.



This preview shows how white text looks on a background with the Yxy color 45.0995, 0.3265, 0.4333.

# 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

45.0995, 0.3265, 0.4333

### Protanopia

44.5711, 0.3796, 0.4095

### Deuteranopia

44.6292, 0.3918, 0.3845



## Tritanopia

45.0663, 0.2815, 0.3101

# Trichromacy



## Original Color

45.0995, 0.3265, 0.4333

## Protanomaly

44.4051, 0.3588, 0.4181

## Deuteranomaly

44.3868, 0.3669, 0.4021

## Tritanomaly

44.7547, 0.2986, 0.3530

# Monochromacy



## Original Color

45.0995, 0.3265, 0.4333

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.6849, 0.3188, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0995, 0.3265, 0.4333 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(145, 192, 121)` looks like.

```
.text, #text, p{  
    color:rgb(145, 192, 121)  
}
```

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(145, 192, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 192, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0995, 0.3265, 0.4333 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(145, 192, 121) }
```

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

```
.border{ border-color:rgb(145, 192, 121) }
```

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

Here you see how a box with a 4 pixel rgb(145, 192, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 192, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 192, 121);  
box-shadow:4px 4px 4px 4px rgb(145, 192,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0995, 0.3265, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 192, 121) }
```

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

```
.background{ background-color: rgb(145,  
192, 121) }
```

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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