

# Converting Colors

$Y_{xy}(45.3497, 0.2990, 0.4046)$

Have a look what the booklet for  
Yxy(45.3497, 0.2990, 0.4046)  
contains.

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# Color

**Yxy(45.3430, 0.2987, 0.4040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82C290
RGB	130, 194, 144
RGB Percent	51%, 76%, 56%
CMY	0.4904, 0.2392, 0.4353
CMYK	0.33, 0.00, 0.26, 0.24
HSL	133°, 34%, 64%
HSV	133°, 33%, 76%
XYZ	33.5246, 45.3430, 33.3675
YIQ	169.1640, -22.0940, -29.1180

# Conversions

## Conversions Part 2

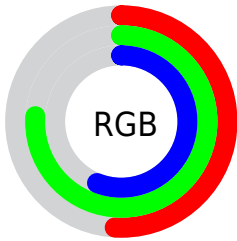
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 183, 194
Decimal	8569488
CIELab	73.12, -30.85, 18.81
CIELCh	73, 36.134, 148.629
Yxy	45.3430, 0.2987, 0.4040
Android (android.graphics.Color)	4286759568 (0xFF82C290)
YUV	169.1640, -12.4059, -34.3468
Hunter-Lab	67.3372, -28.9718, 17.7562

# Details

The Yxy color **45.3430, 0.2987, 0.4040** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.7152, 0.3309, 0.2642**, and the grayscale version is **39.8271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3859, 0.3021, 0.3893**, and **21.1662, 0.2938, 0.4290** is the 20% darker color. If you saturate the color by 10%, you get **43.5209, 0.2951, 0.4317**, and if you desaturate by 10%, it is **47.5203, 0.3028, 0.3784**.

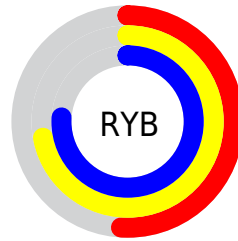
# Distribution



Red (51%)

Green (76%)

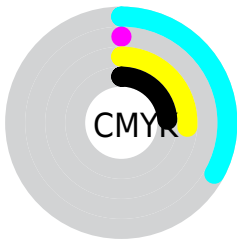
Blue (56%)



Red (51%)

Yellow (72%)

Blue (76%)

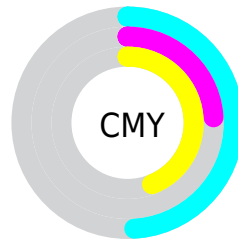


Cyan (33%)

Magenta (0%)

Yellow (26%)

Black (24%)



Cyan (49%)

Magenta (24%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3430, 0.2987, 0.4040 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 45.3430, 0.2987, 0.4040 by changing the saturation by 10% instead.





 45.3430, 0.2987,  
0.4040


 45.3430, 0.2987,  
0.4040


368.1609, 0.3066,  
0.3646


 31.7277, 0.2964,  
0.4145


 83.2349, 0.3018,  
0.3892

 21.1536, 0.2932,  
0.4283


 108.2802, 0.3029,  
0.3838

 13.2363, 0.2886,  
0.4473


 137.9044, 0.3038,  
0.3793

 7.5915, 0.2815,  
0.4750

172.4917, 0.3046,  
0.3755

 3.8347, 0.2691,  
0.5190

212.4267, 0.3052,  
0.3722

 1.5815, 0.2534,  
0.6391

258.0936, 0.3057,

 0.3451, 0.0000,

0.3693

1.0000

309.8769, 0.3062,  
0.3668

0.0000, 0.0000,  
0.0000

45.3430, 0.2987,  
0.4040

45.3430, 0.2987,  
0.4040

43.5209, 0.2951,  
0.4317

47.5203, 0.3028,  
0.3784

42.0295, 0.2921,  
0.4608

50.0643, 0.3071,  
0.3553

40.8502, 0.2902,  
0.4902


52.9933, 0.3114,  
0.3347

39.9600, 0.2894,  
0.5185


56.3223, 0.3157,  
0.3166

39.3329, 0.2901,  
0.5440


60.0659, 0.3198,  
0.3008

 38.9379, 0.2920,  
0.5652

 64.2376, 0.3236,  
0.2871

 38.7612, 0.2936,  
0.5771

 66.7536, 0.3191,  
0.2738

 67.0701, 0.3155,  
0.2693

# Harmonies

## Analogous

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



45.3430, 0.3490, 0.4216



45.3430, 0.2987, 0.4040



45.3430, 0.2545, 0.3601

# Triad

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



45.3430, 0.2987, 0.4040



45.3430, 0.2363, 0.2503



45.3430, 0.4065, 0.3371

# Complementary

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



45.3430, 0.2987, 0.4040



30.7152, 0.3309, 0.2642

# 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.



45.3430, 0.3713, 0.2983



45.3430, 0.2987, 0.4040



45.3430, 0.2714, 0.2502

# Square

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



45.3430, 0.2987, 0.4040



45.3430, 0.2208, 0.2701



45.3430, 0.3206, 0.2675



45.3430, 0.4135, 0.3769



# Rectangle

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



45.3430, 0.2987, 0.4040



45.3430, 0.2339, 0.3256



45.3430, 0.3206, 0.2675



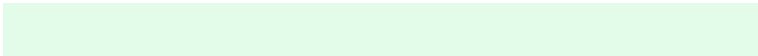
45.3430, 0.3975, 0.3237

# Sweetspot

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



45.3449, 0.2987, 0.4040



92.1364, 0.3083, 0.3491



49.9195, 0.3497, 0.4139



20.0167, 0.3077, 0.3522



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

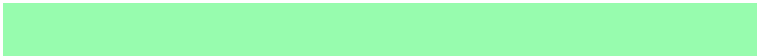


# Same Dimension

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



45.3449, 0.2987, 0.4040



79.5691, 0.2959, 0.4249



46.4606, 0.2776, 0.3551



11.2942, 0.3087, 0.3475



25.4903, 0.2931, 0.5751



1.1120, 0.2810, 0.5315



# Inverse Universe

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



30.7152, 0.3309, 0.2642



48.7947, 0.3363, 0.2494



29.5626, 0.3667, 0.3047



10.2085, 0.3170, 0.3112



9.0322, 0.3848, 0.1893



0.3999, 0.3678, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 45.3430, 0.2987, 0.4040 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 45.3430, 0.2987, 0.4040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

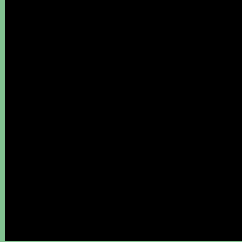
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.3430, 0.2987, 0.4040**

## Background



This preview shows how black text looks on a background with the Yxy color 45.3430, 0.2987, 0.4040.

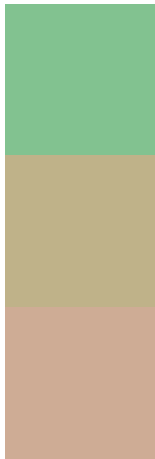


This preview shows how white text looks on a background with the Yxy color 45.3430, 0.2987, 0.4040.

# 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

45.3430, 0.2987, 0.4040

### Protanopia

44.7233, 0.3591, 0.3831

### Deuteranopia

44.7968, 0.3647, 0.3581



## Tritanopia

44.9976, 0.2678, 0.3083

# Trichromacy



**Original Color**

45.3430, 0.2987, 0.4040

**Protanomaly**

44.6094, 0.3347, 0.3904

**Deuteranomaly**

44.2141, 0.3380, 0.3741

**Tritanomaly**

45.0088, 0.2791, 0.3418

# Monochromacy



**Original Color**

45.3430, 0.2987, 0.4040

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.3474, 0.3072, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3430, 0.2987, 0.4040 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(130, 194, 144)` looks like.

```
.text, #text, p{  
    color:rgb(130, 194, 144)  
}
```

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(130, 194, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 194, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3430, 0.2987, 0.4040 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(130, 194, 144) }
```

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

```
.border{ border-color:rgb(130, 194, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 194, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 194, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 194, 144);  
box-shadow:4px 4px 4px 4px rgb(130, 194,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3430, 0.2987, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 194, 144) }
```

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

```
.background{ background-color: rgb(130,  
194, 144) }
```

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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