

# Converting Colors

$Yxy(45.3318, 0.2782, 0.3926)$

Have a look what the booklet for  
Yxy(45.3318, 0.2782, 0.3926)  
contains.

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# Color

**Yxy(45.1614, 0.2783, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EC49B
RGB	110, 196, 155
RGB Percent	43%, 77%, 61%
CMY	0.5687, 0.2314, 0.3920
CMYK	0.44, 0.00, 0.21, 0.23
HSL	151°, 42%, 60%
HSV	151°, 44%, 77%
XYZ	32.0868, 45.1614, 38.0476
YIQ	165.6120, -38.0950, -30.9830

# Conversions

## Conversions Part 2

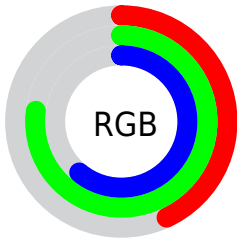
Format	Color
<a href="#">RYB</a>	<a href="#">110, 166, 196</a>
Decimal	<a href="#">7259291</a>
CIELab	<a href="#">73.00, -35.46, 12.57</a>
CIELCh	<a href="#">73, 37.626, 160.476</a>
Yxy	<a href="#">45.1614, 0.2783, 0.3917</a>
Android (android.graphics.Color)	<a href="#">4285449371 (0xFF6EC49B)</a>
YUV	<a href="#">165.6120, -5.2317, -48.7717</a>
Hunter-Lab	<a href="#">67.2022, -32.3761, 13.4736</a>

# Details

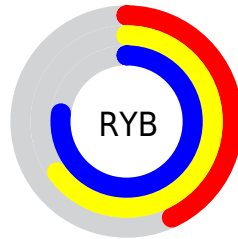
The Yxy color **45.1614, 0.2783, 0.3917** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.1179, 0.3713, 0.2749**, and the grayscale version is **37.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8533, 0.2850, 0.3800**, and **21.1577, 0.2677, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **43.7404, 0.2728, 0.4093**, and if you desaturate by 10%, it is **46.8883, 0.2850, 0.3752**.

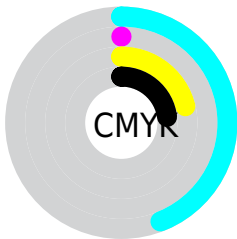
# Distribution



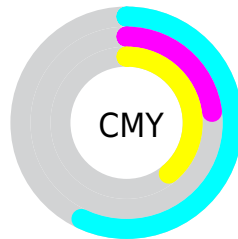
- Red (43%)
- Green (77%)
- Blue (61%)



- Red (43%)
- Yellow (65%)
- Blue (77%)



- Cyan (44%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)




- Cyan (57%)
- Magenta (23%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1614, 0.2783, 0.3917 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 45.1614, 0.2783, 0.3917 by changing the saturation by 10% instead.





 45.1614, 0.2783,  
0.3917

 45.1614, 0.2783,  
0.3917


367.4268, 0.2962,  
0.3589

 31.5846, 0.2736,  
0.4004


 82.9626, 0.2850,  
0.3794

 21.0444, 0.2674,  
0.4118


 107.9557, 0.2874,  
0.3749

 13.1565, 0.2590,  
0.4276


 137.5230, 0.2895,  
0.3711

 7.5364, 0.2468,  
0.4507

 172.0490, 0.2912,  
0.3680

 3.7997, 0.2275,  
0.4873

211.9179, 0.2927,  
0.3652

 1.5622, 0.1824,  
0.5677

257.5143, 0.2940,

 0.3319, 0.0000,

0.3628

1.0000

309.2225, 0.2952,  
0.3607

0.0000, 0.0000,  
0.0000

45.1614, 0.2783,  
0.3917

45.1614, 0.2783,  
0.3917

43.7404, 0.2728,  
0.4093

46.8883, 0.2850,  
0.3752

42.6008, 0.2689,  
0.4276

48.9331, 0.2926,  
0.3599

41.7231, 0.2668,  
0.4463


51.3136, 0.3008,  
0.3460


41.0826, 0.2667,  
0.4648

54.0447, 0.3094,  
0.3335

40.6498, 0.2686,  
0.4828

57.1403, 0.3180,  
0.3223

 40.4537, 0.2704,  
0.4933

 60.6139, 0.3266,  
0.3124

 64.4778, 0.3351,  
0.3037

 66.4394, 0.3341,  
0.2950

 66.9773, 0.3270,  
0.2860

# Harmonies

## Analogous

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



45.1614, 0.3297, 0.4226



45.1614, 0.2783, 0.3917



45.1614, 0.2383, 0.3399

# Triad

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



45.1614, 0.2783, 0.3917



45.1614, 0.2454, 0.2449



45.1614, 0.4173, 0.3538

# Complementary

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



45.1614, 0.2783, 0.3917



25.1179, 0.3713, 0.2749

# 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.



45.1614, 0.3912, 0.3123



45.1614, 0.2783, 0.3917



45.1614, 0.2887, 0.2524

# Square

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



45.1614, 0.2783, 0.3917



45.1614, 0.2210, 0.2570



45.1614, 0.3425, 0.2764



45.1614, 0.4119, 0.3934



# Rectangle

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



45.1614, 0.2783, 0.3917



45.1614, 0.2225, 0.3052



45.1614, 0.3425, 0.2764



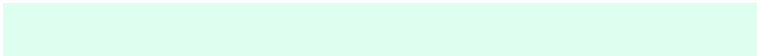
45.1614, 0.4119, 0.3397

# Sweetspot

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



45.1632, 0.2783, 0.3917



93.2703, 0.3014, 0.3451



47.2403, 0.3384, 0.4514



19.7431, 0.2995, 0.3481



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.



45.1632, 0.2783, 0.3917



79.2472, 0.2729, 0.4092



46.1377, 0.2536, 0.3268



11.3450, 0.3046, 0.3402



26.0096, 0.2697, 0.4909



1.1377, 0.2587, 0.4514



# Inverse Universe

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



25.1179, 0.3713, 0.2749



38.1273, 0.3915, 0.2637



24.3221, 0.4264, 0.3313



10.1560, 0.3216, 0.3181



8.0699, 0.5036, 0.2548

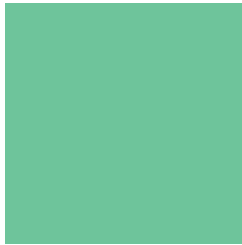


0.3626, 0.4524, 0.2266



# Previews

## White Background



This preview shows how the Yxy color 45.1614, 0.2783, 0.3917 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 45.1614, 0.2783, 0.3917 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 45.1614, 0.2783, 0.3917**

## Background



This preview shows how black text looks on a background with the Yxy color 45.1614, 0.2783, 0.3917.



This preview shows how white text looks on a background with the Yxy color 45.1614, 0.2783, 0.3917.

# 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

45.1614, 0.2783, 0.3917

### Protanopia

44.7349, 0.3495, 0.3714

### Deuteranopia

44.5997, 0.3509, 0.3443



## Tritanopia

44.9405, 0.2540, 0.3064

# Trichromacy



## Original Color

45.1614, 0.2783, 0.3917



## Protanomaly

44.3414, 0.3195, 0.3802



## Deuteranomaly

43.9514, 0.3207, 0.3609



## Tritanomaly

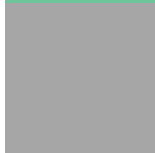
45.1387, 0.2628, 0.3361

# Monochromacy



## Original Color

45.1614, 0.2783, 0.3917



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.1639, 0.2981, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1614, 0.2783, 0.3917 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(110, 196, 155)` looks like.

```
.text, #text, p{  
    color:rgb(110, 196, 155)  
}
```

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(110, 196, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 196, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1614, 0.2783, 0.3917 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(110, 196, 155) }
```

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

```
.border{ border-color:rgb(110, 196, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 196, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 196, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 196, 155); box-shadow:4px 4px 4px 4px rgb(110, 196, 155) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1614, 0.2783, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 196, 155) }
```

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

```
.background{ background-color: rgb(110,  
196, 155) }
```

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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