

# Converting Colors

$Yxy(47.2983, 0.2837, 0.4103)$

Have a look what the booklet for  
Yxy(47.2983, 0.2837, 0.4103)  
contains.

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# Color

**Yxy(47.2264, 0.2833, 0.4096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EC994
RGB	110, 201, 148
RGB Percent	43%, 79%, 58%
CMY	0.5685, 0.2118, 0.4196
CMYK	0.45, 0.00, 0.26, 0.21
HSL	145°, 46%, 61%
HSV	145°, 45%, 79%
XYZ	32.6642, 47.2264, 35.4083
YIQ	167.7490, -37.2230, -35.7750

# Conversions

## Conversions Part 2

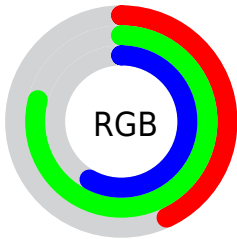
Format	Color
<b>RYB</b>	110, 174, 201
Decimal	7260564
CIELab	74.33, -39.15, 18.21
CIELCh	74, 43.177, 155.048
Yxy	47.2264, 0.2833, 0.4096
Android (android.graphics.Color)	4285450644 (0xFF6EC994)
YUV	167.7490, -9.7363, -50.6459
Hunter-Lab	68.7215, -35.4193, 17.5563

# Details

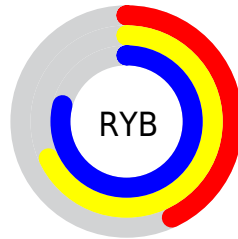
The Yxy color **47.2264, 0.2833, 0.4096** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.2206, 0.3617, 0.2614**, and the grayscale version is **39.0942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8913, 0.2893, 0.3905**, and **22.2051, 0.2736, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **45.7293, 0.2790, 0.4316**, and if you desaturate by 10%, it is **49.0573, 0.2888, 0.3888**.

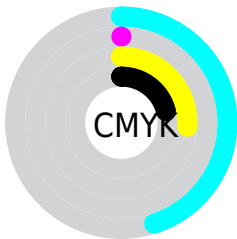
# Distribution



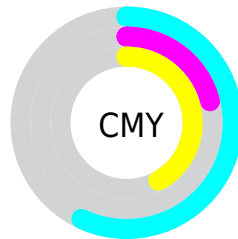
- Red (43%)
- Green (79%)
- Blue (58%)



- Red (43%)
- Yellow (68%)
- Blue (79%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (21%)




- Cyan (57%)
- Magenta (21%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2264, 0.2833, 0.4096 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 47.2264, 0.2833, 0.4096 by changing the saturation by 10% instead.





 47.2264, 0.2833,  
0.4096


 47.2264, 0.2833,  
0.4096


375.7175, 0.2990,  
0.3673


 33.2147, 0.2791,  
0.4208


 86.0515, 0.2892,  
0.3938

 22.2909, 0.2734,  
0.4355


 111.6336, 0.2914,  
0.3880

 14.0708, 0.2656,  
0.4558

 141.8413, 0.2932,  
0.3831

 8.1700, 0.2540,  
0.4854

177.0590, 0.2947,  
0.3790

 4.2039, 0.2352,  
0.5319

217.6711, 0.2960,  
0.3755

 1.7883, 0.1977,  
0.6397

264.0619, 0.2971,

 0.4798, 0.0000,

0.3724

1.0000

316.6159, 0.2981,  
0.3697

■ 0.0000, 0.0000,  
0.0000

■ 47.2264, 0.2833,  
0.4096

■ 47.2264, 0.2833,  
0.4096

■ 45.7293, 0.2790,  
0.4316

■ 49.0573, 0.2888,  
0.3888

■ 44.5391, 0.2761,  
0.4543

■ 51.2354, 0.2951,  
0.3697

■ 43.6340, 0.2751,  
0.4770


■ 53.7804, 0.3019,  
0.3522

■ 42.9867, 0.2759,  
0.4990


■ 56.7087, 0.3090,  
0.3365


■ 42.5638, 0.2785,  
0.5194


■ 60.0358, 0.3161,  
0.3226

 42.4121, 0.2801,  
0.5284

 63.7762, 0.3232,  
0.3103

 67.9438, 0.3300,  
0.2996

 69.4255, 0.3247,  
0.2886

 70.1508, 0.3163,  
0.2777

# Harmonies

## Analogous

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



47.2264, 0.3417, 0.4380



47.2264, 0.2833, 0.4096



47.2264, 0.2356, 0.3522

# Triad

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



47.2264, 0.2833, 0.4096



47.2264, 0.2307, 0.2358



47.2264, 0.4282, 0.3471

# Complementary

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



47.2264, 0.2833, 0.4096



26.2206, 0.3617, 0.2614

# 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.



47.2264, 0.3929, 0.3019



47.2264, 0.2833, 0.4096



47.2264, 0.2753, 0.2407

# Square

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



47.2264, 0.2833, 0.4096



47.2264, 0.2081, 0.2527



47.2264, 0.3348, 0.2643



47.2264, 0.4280, 0.3926

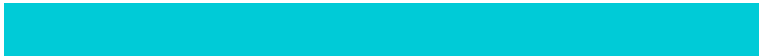


# Rectangle

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



47.2264, 0.2833, 0.4096



47.2264, 0.2155, 0.3114



47.2264, 0.3348, 0.2643



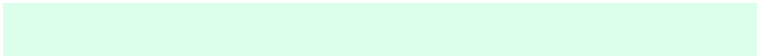
47.2264, 0.4201, 0.3316

# Sweetspot

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



47.2283, 0.2833, 0.4096



92.5786, 0.3026, 0.3504



50.6966, 0.3466, 0.4526



19.5965, 0.3011, 0.3541



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.



47.2283, 0.2833, 0.4096



78.4089, 0.2792, 0.4305



48.9594, 0.2566, 0.3396



11.9601, 0.3060, 0.3428



26.6842, 0.2794, 0.5258



1.2779, 0.2677, 0.4835



# Inverse Universe

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



26.2206, 0.3617, 0.2614



38.1081, 0.3768, 0.2485



24.8738, 0.4227, 0.3194



10.7388, 0.3200, 0.3156



8.6355, 0.4596, 0.2305



0.4231, 0.4231, 0.2105



# Previews

## White Background



This preview shows how the Yxy color 47.2264, 0.2833, 0.4096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

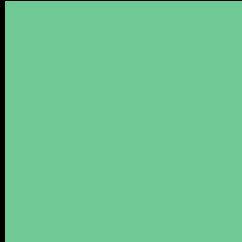
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2264, 0.2833, 0.4096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

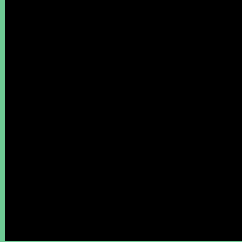
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2264, 0.2833, 0.4096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2264, 0.2833, 0.4096.



This preview shows how white text looks on a background with the Yxy color 47.2264, 0.2833, 0.4096.

# 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

47.2264, 0.2833, 0.4096

### Protanopia

46.3812, 0.3592, 0.3836

### Deuteranopia

46.5483, 0.3621, 0.3552



## Tritanopia

47.1034, 0.2543, 0.3069

# Trichromacy



## Original Color

47.2264, 0.2833, 0.4096



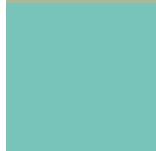
## Protanomaly

45.7060, 0.3271, 0.3937



## Deuteranomaly

45.4322, 0.3286, 0.3729



## Tritanomaly

47.0608, 0.2648, 0.3418

# Monochromacy



## Original Color

47.2264, 0.2833, 0.4096



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

41.4188, 0.2997, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2264, 0.2833, 0.4096 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, 201, 148)` looks like.

```
.text, #text, p{  
    color:rgb(110, 201, 148)  
}
```

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, 201, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 201, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2264, 0.2833, 0.4096 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, 201, 148) }
```

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

```
.border{ border-color:rgb(110, 201, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 201, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 201, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 201, 148); box-shadow:4px 4px 4px 4px rgb(110, 201, 148) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2264, 0.2833, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 201, 148) }
```

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

```
.background{ background-color: rgb(110,  
201, 148) }
```

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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