

# Converting Colors

$Yxy(47.2998, 0.2761, 0.3535)$

Have a look what the booklet for  
Yxy(47.2998, 0.2761, 0.3535)  
contains.

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# Color

**Yxy(47.4400, 0.2765, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82C4B2
RGB	130, 196, 178
RGB Percent	51%, 77%, 70%
CMY	0.4902, 0.2314, 0.3020
CMYK	0.34, 0.00, 0.09, 0.23
HSL	164°, 36%, 64%
HSV	164°, 34%, 77%
XYZ	36.9810, 47.4400, 49.3258
YIQ	174.2140, -33.5580, -19.5900

# Conversions

## Conversions Part 2

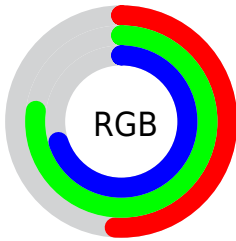
Format	Color
<a href="#">RYB</a>	<a href="#">130, 168, 196</a>
Decimal	<a href="#">8570034</a>
CIELab	<a href="#">74.47, -24.94, 2.38</a>
CIELCh	<a href="#">74, 25.052, 174.549</a>
Yxy	<a href="#">47.4400, 0.2765, 0.3547</a>
Android (android.graphics.Color)	<a href="#">4286760114 (0xFF82C4B2)</a>
YUV	<a href="#">174.2140, 1.8665, -38.7757</a>
Hunter-Lab	<a href="#">68.8767, -24.6947, 5.7533</a>

# Details

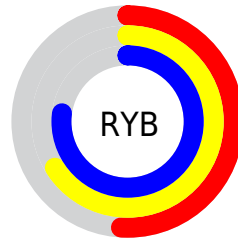
The Yxy color **47.4400, 0.2765, 0.3547** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.8393, 0.3690, 0.3051**, and the grayscale version is **42.4468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5054, 0.2829, 0.3497**, and **22.4045, 0.2664, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **45.8262, 0.2677, 0.3637**, and if you desaturate by 10%, it is **49.3613, 0.2864, 0.3463**.

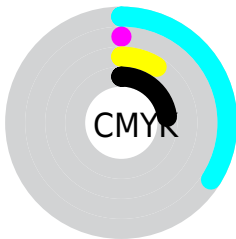
# Distribution



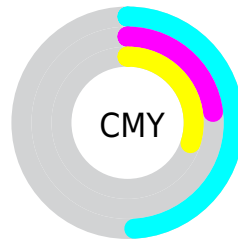
- Red (51%)
- Green (77%)
- Blue (70%)



- Red (51%)
- Yellow (66%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)




- Cyan (49%)
- Magenta (23%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4400, 0.2765, 0.3547 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 47.4400, 0.2765, 0.3547 by changing the saturation by 10% instead.





 47.4400, 0.2765,  
0.3547


 47.4400, 0.2765,  
0.3547


376.5681, 0.2946,  
0.3418

 33.3836, 0.2720,  
0.3580


 86.3700, 0.2831,  
0.3500

 22.4205, 0.2662,  
0.3622


 112.0125, 0.2855,  
0.3482

 14.1662, 0.2585,  
0.3678


 142.2857, 0.2876,  
0.3467

 8.2363, 0.2478,  
0.3757

177.5742, 0.2894,  
0.3454

 4.2466, 0.2320,  
0.3877

218.2623, 0.2910,  
0.3443

 1.8124, 0.2060,  
0.4077

264.7344, 0.2923,

 0.4949, 0.0000,

0.3434

0.5706

317.3748, 0.2935,  
0.3425

0.0000, 0.0000,  
0.0000

47.4400, 0.2765,  
0.3547

47.4400, 0.2765,  
0.3547

45.8262, 0.2677,  
0.3637

49.3613, 0.2864,  
0.3463

44.4971, 0.2604,  
0.3733

51.5998, 0.2972,  
0.3385

43.4362, 0.2548,  
0.3833


54.1719, 0.3085,  
0.3314

42.6224, 0.2510,  
0.3934


57.0913, 0.3201,  
0.3251

42.0320, 0.2492,  
0.4037


60.3708, 0.3318,  
0.3194


 41.6358, 0.2493,  
0.4139

 64.0226, 0.3435,  
0.3143

 41.4511, 0.2501,  
0.4203

 65.6702, 0.3452,  
0.3092

 65.9503, 0.3410,  
0.3039

 66.2395, 0.3368,  
0.2986

# Harmonies

## Analogous

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



47.4400, 0.3086, 0.3815



47.4400, 0.2765, 0.3547



47.4400, 0.2547, 0.3210

# Triad

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



47.4400, 0.2765, 0.3547



47.4400, 0.2805, 0.2726



47.4400, 0.3822, 0.3603

# Complementary

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



47.4400, 0.2765, 0.3547



29.8393, 0.3690, 0.3051

# 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.



47.4400, 0.3742, 0.3320



47.4400, 0.2765, 0.3547



47.4400, 0.3138, 0.2833

# Square

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



47.4400, 0.2765, 0.3547



47.4400, 0.2569, 0.2753



47.4400, 0.3486, 0.3045



47.4400, 0.3704, 0.3826



# Rectangle

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



47.4400, 0.2765, 0.3547



47.4400, 0.2483, 0.3007



47.4400, 0.3486, 0.3045



47.4400, 0.3817, 0.3511

# Sweetspot

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



47.4419, 0.2765, 0.3547



95.0404, 0.3011, 0.3359



47.4550, 0.3226, 0.4239



20.2044, 0.2995, 0.3370



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

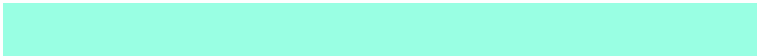


# Same Dimension

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



47.4419, 0.2765, 0.3547



83.8481, 0.2703, 0.3609



42.0658, 0.2628, 0.3085



11.3800, 0.3020, 0.3354



26.6479, 0.2497, 0.4189



1.1625, 0.2434, 0.3963



# Inverse Universe

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



29.8393, 0.3690, 0.3051



47.3715, 0.3861, 0.3001



33.3854, 0.3842, 0.3484



10.1220, 0.3247, 0.3227



7.7213, 0.5831, 0.2986

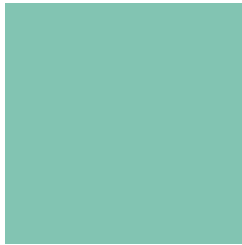


0.3456, 0.5172, 0.2623



# Previews

## White Background



This preview shows how the Yxy color 47.4400, 0.2765, 0.3547 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 47.4400, 0.2765, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

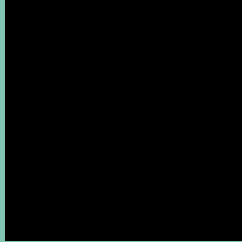
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

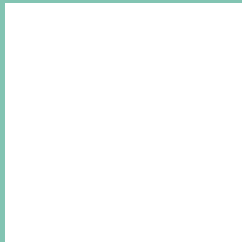
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4400, 0.2765, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4400, 0.2765, 0.3547.

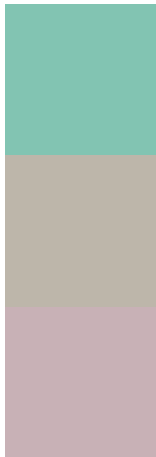


This preview shows how white text looks on a background with the Yxy color 47.4400, 0.2765, 0.3547.

# 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

47.4400, 0.2765, 0.3547

### Protanopia

47.1770, 0.3285, 0.3446

### Deuteranopia

47.1010, 0.3289, 0.3228



## Tritanopia

47.5226, 0.2625, 0.3085

# Trichromacy



## Original Color

47.4400, 0.2765, 0.3547

## Protanomaly

46.8826, 0.3077, 0.3479

## Deuteranomaly

46.7311, 0.3075, 0.3330

## Tritanomaly

47.1938, 0.2674, 0.3247

# Monochromacy



## Original Color

47.4400, 0.2765, 0.3547

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

43.8201, 0.2981, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4400, 0.2765, 0.3547 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, 196, 178)` looks like.

```
.text, #text, p{  
    color:rgb(130, 196, 178)  
}
```

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, 196, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 196, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4400, 0.2765, 0.3547 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, 196, 178) }
```

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

```
.border{ border-color:rgb(130, 196, 178) }
```

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

Here you see how a box with a 4 pixel rgb(130, 196, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 196, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 196, 178);  
box-shadow:4px 4px 4px 4px rgb(130, 196,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4400, 0.2765, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 196, 178) }
```

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

```
.background{ background-color: rgb(130,  
196, 178) }
```

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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