

# Converting Colors

$Yxy(47.4773, 0.2768, 0.3796)$

Have a look what the booklet for  
Yxy(47.4773, 0.2768, 0.3796)  
contains.

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# Color

**Yxy(47.3454, 0.2768, 0.3793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75C7A5
RGB	117, 199, 165
RGB Percent	46%, 78%, 65%
CMY	0.5412, 0.2196, 0.3528
CMYK	0.41, 0.00, 0.17, 0.22
HSL	155°, 42%, 62%
HSV	155°, 41%, 78%
XYZ	34.5510, 47.3454, 42.9267
YIQ	170.6060, -37.9580, -27.9580

# Conversions

## Conversions Part 2

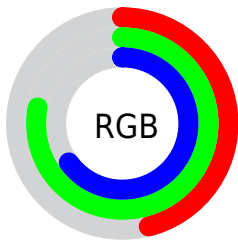
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 169, 199
Decimal	7718821
CIELab	74.41, -32.86, 9.23
CIElCh	74, 34.127, 164.311
Yxy	47.3454, 0.2768, 0.3793
Android (android.graphics.Color)	4285908901 (0xFF75C7A5)
YUV	170.6060, -2.7638, -47.0125
Hunter-Lab	68.8080, -30.7826, 11.1768

# Details

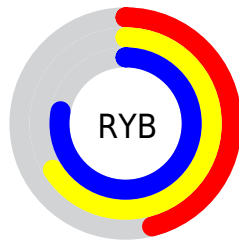
The Yxy color **47.3454, 0.2768, 0.3793** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.0946, 0.3728, 0.2846**, and the grayscale version is **40.5450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4580, 0.2833, 0.3685**, and **22.4998, 0.2667, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **45.8218, 0.2704, 0.3942**, and if you desaturate by 10%, it is **49.1852, 0.2844, 0.3654**.

# Distribution



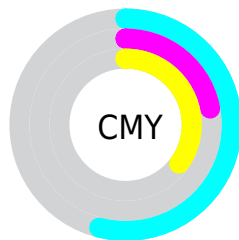
- Red (46%)
- Green (78%)
- Blue (65%)



- Red (46%)
- Yellow (66%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)




- Cyan (54%)
- Magenta (22%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3454, 0.2768, 0.3793 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 47.3454, 0.2768, 0.3793 by changing the saturation by 10% instead.





 47.3454, 0.2768,  
0.3793

 47.3454, 0.2768,  
0.3793


376.1915, 0.2951,  
0.3534


 33.3088, 0.2721,  
0.3860


 86.2290, 0.2835,  
0.3697

 22.3631, 0.2661,  
0.3948


 111.8447, 0.2860,  
0.3661

 14.1239, 0.2580,  
0.4068

 142.0890, 0.2881,  
0.3632

 8.2069, 0.2464,  
0.4240

177.3461, 0.2899,  
0.3606

 4.2276, 0.2288,  
0.4507

218.0005, 0.2915,  
0.3584

 1.8017, 0.1977,  
0.4986

264.4367, 0.2928,

 0.4882, 0.0000,

0.3565

1.0000

317.0389, 0.2940,  
0.3549

0.0000, 0.0000,  
0.0000

47.3454, 0.2768,  
0.3793

47.3454, 0.2768,  
0.3793

45.8218, 0.2704,  
0.3942

49.1852, 0.2844,  
0.3654

44.5896, 0.2655,  
0.4098

51.3528, 0.2930,  
0.3525

43.6293, 0.2624,  
0.4259


53.8663, 0.3021,  
0.3408


42.9167, 0.2613,  
0.4421

56.7407, 0.3116,  
0.3302

42.4230, 0.2622,  
0.4580


59.9903, 0.3211,  
0.3208

 42.1231, 0.2643,  
0.4716

 63.6282, 0.3307,  
0.3124

 67.4224, 0.3390,  
0.3050

 67.8773, 0.3328,  
0.2969

 68.3541, 0.3266,  
0.2889

# Harmonies

## Analogous

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



47.3454, 0.3224, 0.4099



47.3454, 0.2768, 0.3793



47.3454, 0.2425, 0.3329

# Triad

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



47.3454, 0.2768, 0.3793



47.3454, 0.2564, 0.2530



47.3454, 0.4070, 0.3568

# Complementary

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



47.3454, 0.2768, 0.3793



27.0946, 0.3728, 0.2846

# 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.



47.3454, 0.3871, 0.3190



47.3454, 0.2768, 0.3793



47.3454, 0.2973, 0.2617

# Square

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



47.3454, 0.2768, 0.3793



47.3454, 0.2317, 0.2620



47.3454, 0.3457, 0.2853



47.3454, 0.3991, 0.3914



# Rectangle

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



47.3454, 0.2768, 0.3793



47.3454, 0.2298, 0.3028



47.3454, 0.3457, 0.2853



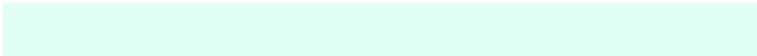
47.3454, 0.4034, 0.3442

# Sweetspot

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



47.3473, 0.2768, 0.3793



93.8616, 0.3012, 0.3418



48.7275, 0.3328, 0.4451



19.9594, 0.3000, 0.3433



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.



47.3473, 0.2768, 0.3793



80.5929, 0.2713, 0.3919



45.6783, 0.2552, 0.3191



11.9903, 0.3038, 0.3387



27.1025, 0.2638, 0.4695



1.2975, 0.2547, 0.4369



# Inverse Universe

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



27.0946, 0.3728, 0.2846



40.6082, 0.3916, 0.2758



27.7966, 0.4133, 0.3384



10.7086, 0.3226, 0.3195



8.2202, 0.5297, 0.2692



0.4036, 0.4758, 0.2395



# Previews

## White Background



This preview shows how the Yxy color 47.3454, 0.2768, 0.3793 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 47.3454, 0.2768, 0.3793 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 47.3454, 0.2768, 0.3793**

## Background



This preview shows how black text looks on a background with the Yxy color 47.3454, 0.2768, 0.3793.



This preview shows how white text looks on a background with the Yxy color 47.3454, 0.2768, 0.3793.

# 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

47.3454, 0.2768, 0.3793

### Protanopia

46.9326, 0.3419, 0.3629

### Deuteranopia

46.7903, 0.3430, 0.3366



## Tritanopia

47.2832, 0.2566, 0.3083

# Trichromacy



## Original Color

47.3454, 0.2768, 0.3793



## Protanomaly

46.3622, 0.3150, 0.3692



## Deuteranomaly

45.8788, 0.3151, 0.3507



## Tritanomaly

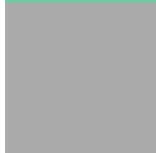
47.1211, 0.2640, 0.3331

# Monochromacy



## Original Color

47.3454, 0.2768, 0.3793



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

42.4916, 0.2969, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3454, 0.2768, 0.3793 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(117, 199, 165)` looks like.

```
.text, #text, p{  
    color:rgb(117, 199, 165)  
}
```

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(117, 199, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 199, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3454, 0.2768, 0.3793 is called "border". The border property can be set on classes, ids or directly on the HTML element.

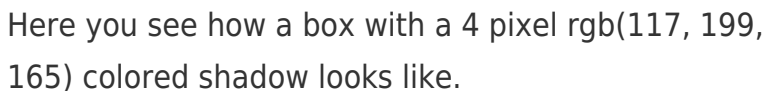
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 199, 165) }
```

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

```
.border{ border-color:rgb(117, 199, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 199, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 199, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 199, 165); box-shadow:4px 4px 4px 4px rgb(117, 199, 165) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3454, 0.2768, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 199, 165) }
```

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

```
.background{ background-color: rgb(117,  
199, 165) }
```

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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