

# Converting Colors

$Y_{xy}(43.1989, 0.2707, 0.3693)$

Have a look what the booklet for  
Yxy(43.1989, 0.2707, 0.3693)  
contains.

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# Color

**Yxy(43.2294, 0.2707, 0.3688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DBFA5
RGB	109, 191, 165
RGB Percent	43%, 75%, 65%
CMY	0.5724, 0.2510, 0.3530
CMYK	0.43, 0.00, 0.14, 0.25
HSL	161°, 39%, 59%
HSV	161°, 43%, 75%
XYZ	31.7305, 43.2294, 42.2565
YIQ	163.5180, -40.5260, -25.4700

# Conversions

## Conversions Part 2

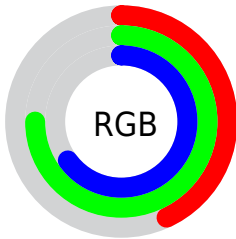
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 158, 191
Decimal	7192485
CIELab	71.71, -31.21, 5.34
CIELCh	72, 31.660, 170.288
Yxy	43.2294, 0.2707, 0.3688
Android (android.graphics.Color)	4285382565 (0xFF6DBFA5)
YUV	163.5180, 0.7306, -47.8123
Hunter-Lab	65.7491, -28.9168, 7.9190

# Details

The Yxy color **43.2294, 0.2707, 0.3688** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7732, 0.3869, 0.2935**, and the grayscale version is **36.8986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1946, 0.2785, 0.3614**, and **19.8678, 0.2583, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **41.9324, 0.2636, 0.3800**, and if you desaturate by 10%, it is **44.8035, 0.2791, 0.3582**.

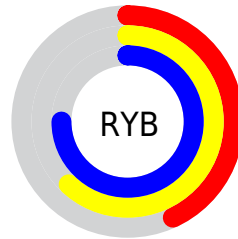
# Distribution



Red (43%)

Green (75%)

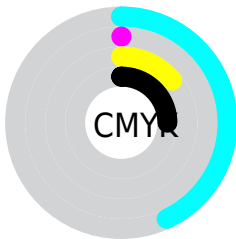
Blue (65%)



Red (43%)

Yellow (62%)

Blue (75%)

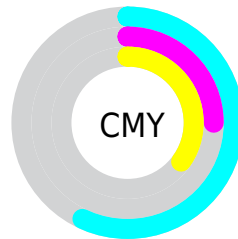


Cyan (43%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (57%)

Magenta (25%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2294, 0.2707, 0.3688 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 43.2294, 0.2707, 0.3688 by changing the saturation by 10% instead.





 43.2294, 0.2707,  
0.3688


 43.2294, 0.2707,  
0.3688


359.5543, 0.2921,  
0.3482


 30.0651, 0.2652,  
0.3742

 80.0569, 0.2786,  
0.3611


 19.8880, 0.2581,  
0.3812

 104.4890, 0.2815,  
0.3583

 12.3137, 0.2485,  
0.3909


 133.4458, 0.2840,  
0.3560

 6.9577, 0.2348,  
0.4048

 167.3117, 0.2861,  
0.3539

 3.4357, 0.2140,  
0.4267

206.4711, 0.2879,  
0.3522

 1.3632, 0.1637,  
0.4744

251.3084, 0.2895,

 0.1894, 0.0000,

0.3507

1.0000

302.2080, 0.2909,  
0.3494

0.0000, 0.0000,  
0.0000

43.2294, 0.2707,  
0.3688

43.2294, 0.2707,  
0.3688

41.9324, 0.2636,  
0.3800

44.8035, 0.2791,  
0.3582

40.8900, 0.2582,  
0.3917

46.6654, 0.2886,  
0.3484

40.0846, 0.2546,  
0.4037

48.8314, 0.2988,  
0.3394

39.4938, 0.2531,  
0.4158


51.3151, 0.3095,  
0.3312

39.0909, 0.2534,  
0.4279

54.1292, 0.3205,  
0.3239

 38.8829, 0.2545,  
0.4363

 57.2857, 0.3315,  
0.3173

 60.7961, 0.3424,  
0.3116

 63.3509, 0.3475,  
0.3060

 63.6657, 0.3427,  
0.2999

# Harmonies

## Analogous

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



43.2294, 0.3131, 0.4022



43.2294, 0.2707, 0.3688



43.2294, 0.2409, 0.3239

# Triad

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



43.2294, 0.2707, 0.3688



43.2294, 0.2656, 0.2564



43.2294, 0.4035, 0.3631

# Complementary

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



43.2294, 0.2707, 0.3688



23.7732, 0.3869, 0.2935

# 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.



43.2294, 0.3896, 0.3267



43.2294, 0.2707, 0.3688



43.2294, 0.3071, 0.2679

# Square

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



43.2294, 0.2707, 0.3688



43.2294, 0.2383, 0.2616



43.2294, 0.3532, 0.2929



43.2294, 0.3910, 0.3944



# Rectangle

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



43.2294, 0.2707, 0.3688



43.2294, 0.2311, 0.2964



43.2294, 0.3532, 0.2929



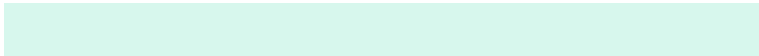
43.2294, 0.4018, 0.3511

# Sweetspot

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



43.2311, 0.2707, 0.3688



87.3349, 0.2985, 0.3397



43.6311, 0.3276, 0.4523



18.9777, 0.2962, 0.3416



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.2311, 0.2707, 0.3688



75.3347, 0.2643, 0.3787



38.5941, 0.2517, 0.3083



10.7566, 0.3026, 0.3364



25.5684, 0.2541, 0.4347



1.0129, 0.2462, 0.4062



# Inverse Universe

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



23.7732, 0.3869, 0.2935



36.1439, 0.4110, 0.2868



26.2729, 0.4147, 0.3481



9.5850, 0.3240, 0.3217



7.5113, 0.5670, 0.2897

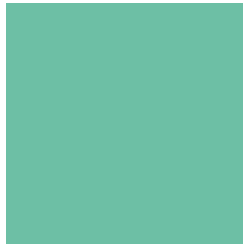


0.3064, 0.4974, 0.2514



# Previews

## White Background



This preview shows how the Yxy color 43.2294, 0.2707, 0.3688 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 43.2294, 0.2707, 0.3688 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 43.2294, 0.2707, 0.3688**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2294, 0.2707, 0.3688.

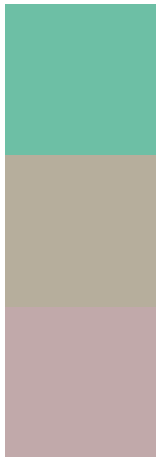


This preview shows how white text looks on a background with the Yxy color 43.2294, 0.2707, 0.3688.

# 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

43.2294, 0.2707, 0.3688

### Protanopia

42.6175, 0.3352, 0.3534

### Deuteranopia

42.6157, 0.3341, 0.3278



## Tritanopia

43.1864, 0.2532, 0.3074

# Trichromacy



**Original Color**

43.2294, 0.2707, 0.3688

**Protanomaly**

42.1143, 0.3079, 0.3592

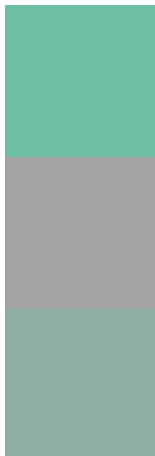
**Deuteranomaly**

41.9528, 0.3069, 0.3416

**Tritanomaly**

43.2421, 0.2596, 0.3288

# Monochromacy



**Original Color**

43.2294, 0.2707, 0.3688

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

38.8817, 0.2948, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2294, 0.2707, 0.3688 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(109, 191, 165)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 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(109, 191, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2294, 0.2707, 0.3688 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(109, 191, 165) }
```

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

```
.border{ border-color:rgb(109, 191, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 191, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 191, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 191, 165);  
box-shadow:4px 4px 4px 4px rgb(109, 191,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2294, 0.2707, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 165) }
```

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

```
.background{ background-color: rgb(109,  
191, 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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