

# Converting Colors

$Yxy(45.9835, 0.2531, 0.3752)$

Have a look what the booklet for  
Yxy(45.9835, 0.2531, 0.3752)  
contains.

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# Color

**Yxy(46.2094, 0.2528, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BC9AB
RGB	75, 201, 171
RGB Percent	29%, 79%, 67%
CMY	0.7062, 0.2117, 0.3293
CMYK	0.63, 0.00, 0.15, 0.21
HSL	166°, 54%, 54%
HSV	166°, 63%, 79%
XYZ	31.1347, 46.2094, 45.8153
YIQ	159.9060, -65.4660, -36.0420

# Conversions

## Conversions Part 2

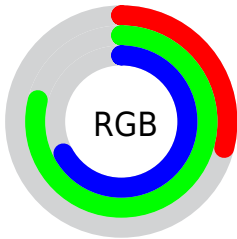
Format	Color
<a href="#">RYB</a>	<a href="#">75, 147, 201</a>
Decimal	<a href="#">4966827</a>
CIELab	<a href="#">73.68, -41.89, 4.75</a>
CIELCh	<a href="#">74, 42.154, 173.526</a>
Yxy	<a href="#">46.2094, 0.2528, 0.3752</a>
Android (android.graphics.Color)	<a href="#">4283156907</a> ( <a href="#">0xFF4BC9AB</a> )
YUV	<a href="#">159.9060, 5.4693, -74.4626</a>
Hunter-Lab	<a href="#">67.9775, -37.2050, 7.6241</a>

# Details

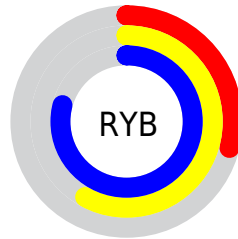
The Yxy color **46.2094, 0.2528, 0.3752** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.4564, 0.4629, 0.2931**, and the grayscale version is **35.0953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2452, 0.2632, 0.3630**, and **21.8897, 0.2410, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **45.3468, 0.2486, 0.3840**, and if you desaturate by 10%, it is **47.3381, 0.2589, 0.3666**.

# Distribution



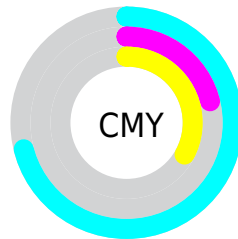
- Red (29%)
- Green (79%)
- Blue (67%)



- Red (29%)
- Yellow (58%)
- Blue (79%)



- Cyan (63%)
- Magenta (0%)
- Yellow (15%)
- Black (21%)




- Cyan (71%)
- Magenta (21%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2094, 0.2528, 0.3752 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 46.2094, 0.2528, 0.3752 by changing the saturation by 10% instead.





 46.2094, 0.2528,  
0.3752

 46.2094, 0.2528,  
0.3752


371.6499, 0.2829,  
0.3516

 32.4111, 0.2453,  
0.3812


 84.5323, 0.2637,  
0.3665


 21.6757, 0.2357,  
0.3891


 109.8257, 0.2678,  
0.3633

 13.6188, 0.2229,  
0.3996


 139.7195, 0.2713,  
0.3606

 7.8560, 0.2051,  
0.4146

 174.5983, 0.2743,  
0.3583

 4.0030, 0.1790,  
0.4373

214.8463, 0.2769,  
0.3563

 1.6752, 0.1208,  
0.4850

260.8480, 0.2791,

 0.4075, 0.0000,

0.3545

0.7853

312.9877, 0.2811,  
0.3530

0.0000, 0.0000,  
0.0000

46.2094, 0.2528,  
0.3752

46.2094, 0.2528,  
0.3752

45.3468, 0.2486,  
0.3840

47.3381, 0.2589,  
0.3666

44.7197, 0.2463,  
0.3928

48.7493, 0.2667,  
0.3584

44.2997, 0.2460,  
0.4016

50.4645, 0.2759,  
0.3506

44.0847, 0.2467,  
0.4079

52.5014, 0.2863,  
0.3434

54.8765, 0.2976,  
0.3367

■ 57.6050, 0.3094,  
0.3306

■ 60.7013, 0.3216,  
0.3251

■ 64.1789, 0.3339,  
0.3202

■ 67.8954, 0.3454,  
0.3158

# Harmonies

## Analogous

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



46.2094, 0.3055, 0.4233



46.2094, 0.2528, 0.3752



46.2094, 0.2181, 0.3147

# Triad

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



46.2094, 0.2528, 0.3752



46.2094, 0.2568, 0.2377



46.2094, 0.4305, 0.3751

# Complementary

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



46.2094, 0.2528, 0.3752



18.4564, 0.4629, 0.2931

# 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.



46.2094, 0.4167, 0.3294



46.2094, 0.2528, 0.3752



46.2094, 0.3111, 0.2543

# Square

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



46.2094, 0.2528, 0.3752



46.2094, 0.2206, 0.2409



46.2094, 0.3712, 0.2868



46.2094, 0.4095, 0.4153



# Rectangle

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



46.2094, 0.2528, 0.3752



46.2094, 0.2081, 0.2804



46.2094, 0.3712, 0.2868



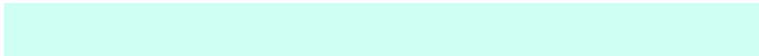
46.2094, 0.4299, 0.3600

# Sweetspot

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



46.2112, 0.2528, 0.3752



91.2206, 0.2901, 0.3410



45.3756, 0.3219, 0.5189



19.2835, 0.2869, 0.3430



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.



46.2112, 0.2528, 0.3752



77.2306, 0.2476, 0.3869



34.2662, 0.2264, 0.2800



12.0228, 0.3015, 0.3346



27.7305, 0.2463, 0.4067



1.3238, 0.2412, 0.3885



# Inverse Universe

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



18.4564, 0.4629, 0.2931



26.0078, 0.5151, 0.2923



23.3233, 0.4819, 0.3678



10.6776, 0.3253, 0.3235



7.9529, 0.5946, 0.3049

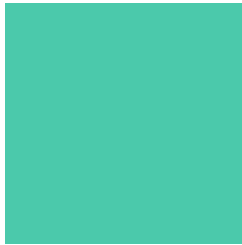


0.3883, 0.5338, 0.2715



# Previews

## White Background



This preview shows how the Yxy color 46.2094, 0.2528, 0.3752 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 46.2094, 0.2528, 0.3752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

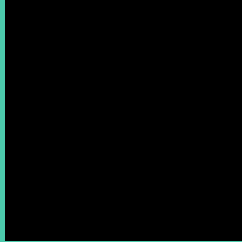
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

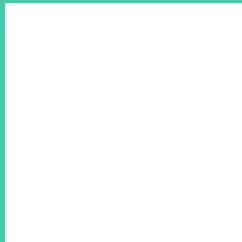
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.2094, 0.2528, 0.3752**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.2094, 0.2528, 0.3752.

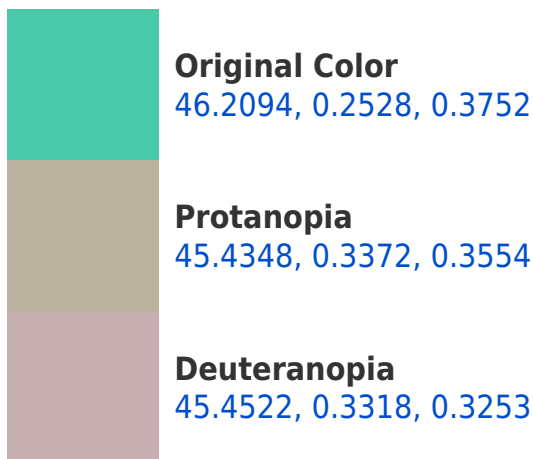


This preview shows how white text looks on a background with the Yxy color 46.2094, 0.2528, 0.3752.

# 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





## Tritanopia

45.9575, 0.2370, 0.3060

# Trichromacy



## Original Color

46.2094, 0.2528, 0.3752



## Protanomaly

44.3880, 0.2982, 0.3635



## Deuteranomaly

44.1484, 0.2941, 0.3416



## Tritanomaly

45.8493, 0.2426, 0.3303

# Monochromacy



## Original Color

46.2094, 0.2528, 0.3752



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

38.0074, 0.2828, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2094, 0.2528, 0.3752 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(75, 201, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 201, 171)  
}
```

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(75, 201, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 201, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2094, 0.2528, 0.3752 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(75, 201, 171) }
```

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

```
.border{ border-color:rgb(75, 201, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 201, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 201, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 201, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 201,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2094, 0.2528, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 201, 171) }
```

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

```
.background{ background-color: rgb(75, 201,  
171) }
```

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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