

# Converting Colors

$Yxy(46.6646, 0.2448, 0.3128)$

Have a look what the booklet for  
Yxy(46.6646, 0.2448, 0.3128)  
contains.

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# Color

**Yxy(46.9279, 0.2451, 0.3133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68C4CF
RGB	104, 196, 207
RGB Percent	41%, 77%, 81%
CMY	0.5920, 0.2314, 0.1883
CMYK	0.50, 0.05, 0.00, 0.19
HSL	186°, 52%, 61%
HSV	186°, 50%, 81%
XYZ	36.7125, 46.9279, 66.1454
YIQ	169.7460, -58.3630, -16.0830

# Conversions

## Conversions Part 2

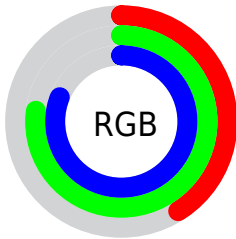
Format	Color
<a href="#">RYB</a>	<a href="#">104, 153, 207</a>
Decimal	<a href="#">6866127</a>
CIELab	<a href="#">74.14, -24.42, -13.97</a>
CIElCh	<a href="#">74, 28.128, 209.769</a>
Yxy	<a href="#">46.9279, 0.2451, 0.3133</a>
Android (android.graphics.Color)	<a href="#">4285056207</a> ( <a href="#">0xFF68C4CF</a> )
YUV	<a href="#">169.7460, 18.3662, -57.6592</a>
Hunter-Lab	<a href="#">68.5039, -24.2205, -9.2959</a>

# Details

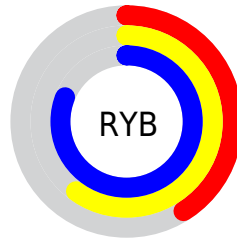
The Yxy color **46.9279, 0.2451, 0.3133** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.5299, 0.4445, 0.3432**, and the grayscale version is **39.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1519, 0.2611, 0.3266**, and **22.1173, 0.2269, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **44.8497, 0.2355, 0.3097**, and if you desaturate by 10%, it is **49.3283, 0.2564, 0.3168**.

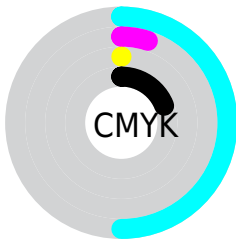
# Distribution



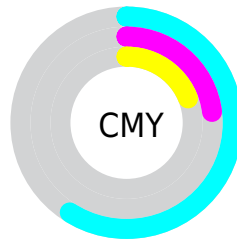
- Red (41%)
- Green (77%)
- Blue (81%)



- Red (41%)
- Yellow (60%)
- Blue (81%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (59%)
- Magenta (23%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9279, 0.2451, 0.3133 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 46.9279, 0.2451, 0.3133 by changing the saturation by 10% instead.





 46.9279, 0.2451,  
0.3133


 46.9279, 0.2451,  
0.3133

374.5267, 0.2780,  
0.3220


 32.9787, 0.2372,  
0.3109


 85.6060, 0.2569,  
0.3166


 22.1101, 0.2272,  
0.3077


 111.1036, 0.2613,  
0.3178

 13.9378, 0.2143,  
0.3033


 141.2195, 0.2651,  
0.3188

 8.0774, 0.1969,  
0.2968

 176.3381, 0.2684,  
0.3196

 4.1445, 0.1725,  
0.2864

216.8437, 0.2713,  
0.3203

 1.7547, 0.1364,  
0.2679

263.1207, 0.2738,

 0.4587, 0.0000,

0.3210

0.2259

315.5536, 0.2761,  
0.3215

0.0000, 0.0000,  
0.0000

46.9279, 0.2451,  
0.3133

46.9279, 0.2451,  
0.3133

44.8497, 0.2355,  
0.3097

49.3283, 0.2564,  
0.3168

43.0657, 0.2277,  
0.3060

52.0661, 0.2692,  
0.3202

41.5518, 0.2218,  
0.3022


55.1615, 0.2831,  
0.3234


40.2774, 0.2178,  
0.2986

58.6319, 0.2978,  
0.3264


39.1877, 0.2153,  
0.2949


62.4933, 0.3131,  
0.3291

 39.1601, 0.2152,  
0.2948

 66.7610, 0.3287,  
0.3315

 71.4491, 0.3443,  
0.3337

 73.6913, 0.3486,  
0.3359

 74.8147, 0.3481,  
0.3382

# Harmonies

## Analogous

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



46.9279, 0.2666, 0.3515



46.9279, 0.2451, 0.3133



46.9279, 0.2406, 0.2830

# Triad

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



46.9279, 0.2451, 0.3133



46.9279, 0.3208, 0.2813



46.9279, 0.3731, 0.3922

# Complementary

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



46.9279, 0.2451, 0.3133



26.5299, 0.4445, 0.3432

# 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.



46.9279, 0.3902, 0.3687



46.9279, 0.2451, 0.3133



46.9279, 0.3592, 0.3064

# Square

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



46.9279, 0.2451, 0.3133



46.9279, 0.2823, 0.2671



46.9279, 0.3853, 0.3376



46.9279, 0.3401, 0.3994



# Rectangle

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



46.9279, 0.2451, 0.3133



46.9279, 0.2475, 0.2707



46.9279, 0.3853, 0.3376



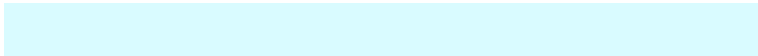
46.9279, 0.3810, 0.3858

# Sweetspot

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



46.9297, 0.2451, 0.3133



90.8767, 0.2897, 0.3248



48.7870, 0.2998, 0.4706



19.2016, 0.2866, 0.3241



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.



46.9297, 0.2451, 0.3133



71.5865, 0.2346, 0.3093



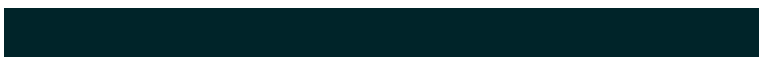
27.7662, 0.2302, 0.2356



13.1825, 0.2983, 0.3264



24.7598, 0.2154, 0.2953



1.4476, 0.2172, 0.3020



# Inverse Universe

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



27.1567, 0.3301, 0.2206



36.9754, 0.3347, 0.2012



41.4657, 0.4093, 0.4057



11.9864, 0.3154, 0.3085



10.5708, 0.3496, 0.1699



0.5974, 0.3436, 0.1667



# Previews

## White Background



This preview shows how the Yxy color 46.9279, 0.2451, 0.3133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

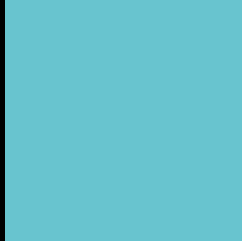
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9279, 0.2451, 0.3133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

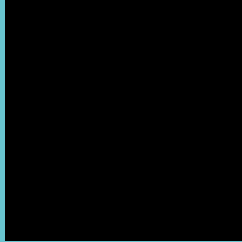
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9279, 0.2451, 0.3133**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9279, 0.2451, 0.3133.



This preview shows how white text looks on a background with the Yxy color 46.9279, 0.2451, 0.3133.

# 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

46.9279, 0.2451, 0.3133

### Protanopia

46.3770, 0.2995, 0.3072

### Deuteranopia

46.4617, 0.2931, 0.2867



## Tritanopia

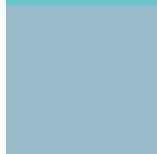
46.7366, 0.2432, 0.3064

# Trichromacy



## Original Color

46.9279, 0.2451, 0.3133



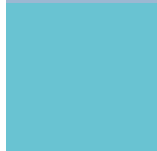
## Protanomaly

46.0103, 0.2754, 0.3087



## Deuteranomaly

46.0020, 0.2722, 0.2947



## Tritanomaly

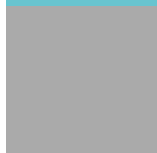
46.6866, 0.2437, 0.3078

# Monochromacy



## Original Color

46.9279, 0.2451, 0.3133



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

41.7701, 0.2826, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9279, 0.2451, 0.3133 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(104, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(104, 196, 207)  
}
```

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(104, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 196, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9279, 0.2451, 0.3133 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(104, 196, 207) }
```

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

```
.border{ border-color:rgb(104, 196, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 196, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(104, 196,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9279, 0.2451, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 196, 207) }
```

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

```
.background{ background-color: rgb(104,  
196, 207) }
```

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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