

# Converting Colors

$Y_{xy}(46.0539, 0.2628, 0.3320)$

Have a look what the booklet for  
Yxy(46.0539, 0.2628, 0.3320)  
contains.

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# Color

**Yxy(46.0391, 0.2630, 0.3317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC1BF
RGB	122, 193, 191
RGB Percent	48%, 76%, 75%
CMY	0.5214, 0.2431, 0.2510
CMYK	0.37, 0.00, 0.01, 0.24
HSL	178°, 36%, 62%
HSV	178°, 37%, 76%
XYZ	36.5037, 46.0391, 56.2546
YIQ	171.5430, -41.6740, -15.6740

# Conversions

## Conversions Part 2

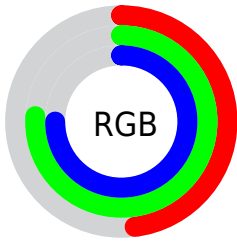
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 158, 193
Decimal	8044991
CIELab	73.57, -22.64, -6.05
CIELCh	74, 23.433, 194.963
Yxy	46.0391, 0.2630, 0.3317
Android (android.graphics.Color)	4286235071 (0xFF7AC1BF)
YUV	171.5430, 9.5923, -43.4492
Hunter-Lab	67.8521, -22.7101, -1.6595

# Details

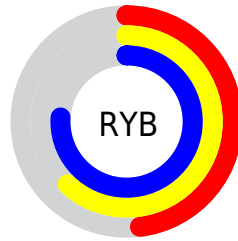
The Yxy color **46.0391, 0.2630, 0.3317** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.7210, 0.3983, 0.3265**, and the grayscale version is **40.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4337, 0.2719, 0.3322**, and **21.5292, 0.2490, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **44.7449, 0.2525, 0.3326**, and if you desaturate by 10%, it is **47.6168, 0.2750, 0.3309**.

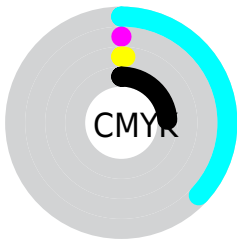
# Distribution



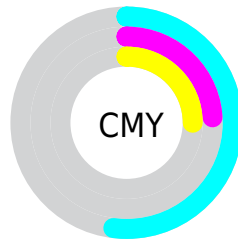
- Red (48%)
- Green (76%)
- Blue (75%)



- Red (48%)
- Yellow (62%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)




- Cyan (52%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0391, 0.2630, 0.3317 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 46.0391, 0.2630, 0.3317 by changing the saturation by 10% instead.



 46.0391, 0.2630,  
0.3317


 46.0391, 0.2630,  
0.3317


370.9658, 0.2876,  
0.3308


 32.2767, 0.2570,  
0.3318


 84.2775, 0.2719,  
0.3314

 21.5729, 0.2493,  
0.3319

 109.5223, 0.2752,  
0.3313

 13.5434, 0.2391,  
0.3319


 139.3633, 0.2781,  
0.3312

 7.8038, 0.2252,  
0.3316

174.1850, 0.2805,  
0.3311

 3.9697, 0.2050,  
0.3306

214.3716, 0.2826,  
0.3310

 1.6566, 0.1732,  
0.3276

260.3078, 0.2845,

 0.3953, 0.0000,

0.3309

0.3166

312.3777, 0.2861,  
0.3308

0.0000, 0.0000,  
0.0000

46.0391, 0.2630,  
0.3317

46.0391, 0.2630,  
0.3317

44.7449, 0.2525,  
0.3326

47.6168, 0.2750,  
0.3309

43.7121, 0.2438,  
0.3334

49.4879, 0.2883,  
0.3301

42.9241, 0.2369,  
0.3343

51.6683, 0.3026,  
0.3294

42.3601, 0.2320,  
0.3352

54.1712, 0.3176,  
0.3288

41.9960, 0.2289,  
0.3362

57.0092, 0.3331,  
0.3282

■ 41.7993, 0.2274,  
0.3370

■ 60.1941, 0.3487,  
0.3277

■ 41.7516, 0.2270,  
0.3373

■ 63.3300, 0.3625,  
0.3273

■ 63.3545, 0.3620,  
0.3267

■ 63.3792, 0.3616,  
0.3262

# Harmonies

## Analogous

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



46.0391, 0.2875, 0.3626



46.0391, 0.2630, 0.3317



46.0391, 0.2516, 0.3020

# Triad

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



46.0391, 0.2630, 0.3317



46.0391, 0.3031, 0.2812



46.0391, 0.3727, 0.3741

# Complementary

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



46.0391, 0.2630, 0.3317



26.7210, 0.3983, 0.3265

# 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.



46.0391, 0.3779, 0.3505



46.0391, 0.2630, 0.3317



46.0391, 0.3366, 0.2985

# Square

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



46.0391, 0.2630, 0.3317



46.0391, 0.2738, 0.2749



46.0391, 0.3645, 0.3233



46.0391, 0.3509, 0.3871



# Rectangle

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



46.0391, 0.2630, 0.3317



46.0391, 0.2525, 0.2872



46.0391, 0.3645, 0.3233



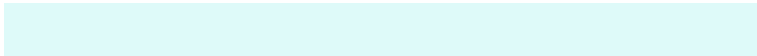
46.0391, 0.3765, 0.3671

# Sweetspot

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



46.0409, 0.2630, 0.3317



90.7512, 0.2962, 0.3297



43.8600, 0.3093, 0.4383



19.3550, 0.2943, 0.3298



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.



46.0409, 0.2630, 0.3317



80.5834, 0.2546, 0.3324



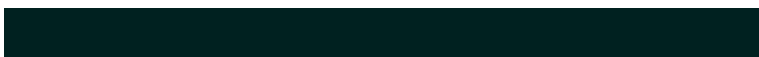
33.0911, 0.2548, 0.2791



11.4234, 0.2988, 0.3296



27.7725, 0.2270, 0.3372



1.2015, 0.2265, 0.3352



# Inverse Universe

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



26.7210, 0.3983, 0.3265



41.0295, 0.4269, 0.3261



36.2363, 0.3843, 0.3738



10.0824, 0.3285, 0.3284



7.5506, 0.6366, 0.3280

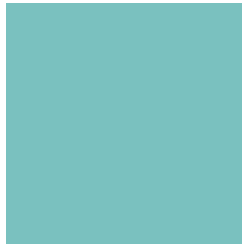


0.3279, 0.6238, 0.3210



# Previews

## White Background



This preview shows how the Yxy color 46.0391, 0.2630, 0.3317 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 46.0391, 0.2630, 0.3317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

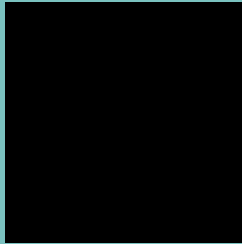
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

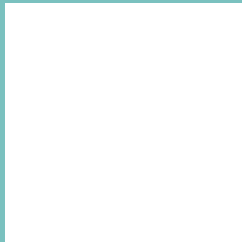
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0391, 0.2630, 0.3317**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0391, 0.2630, 0.3317.

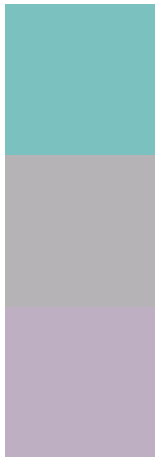


This preview shows how white text looks on a background with the Yxy color 46.0391, 0.2630, 0.3317.

# 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

46.0391, 0.2630, 0.3317

### Protanopia

45.6042, 0.3121, 0.3238

### Deuteranopia

45.6764, 0.3104, 0.3038



## Tritanopia

46.1535, 0.2562, 0.3081

# Trichromacy



## Original Color

46.0391, 0.2630, 0.3317

## Protanomaly

45.2997, 0.2917, 0.3262

## Deuteranomaly

45.4579, 0.2905, 0.3130

## Tritanomaly

46.2763, 0.2587, 0.3163

# Monochromacy



## Original Color

46.0391, 0.2630, 0.3317

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

42.7672, 0.2919, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0391, 0.2630, 0.3317 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(122, 193, 191)` looks like.

```
.text, #text, p{  
    color:rgb(122, 193, 191)  
}
```

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(122, 193, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 193, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0391, 0.2630, 0.3317 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(122, 193, 191) }
```

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

```
.border{ border-color:rgb(122, 193, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 193, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 193, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 193, 191);  
box-shadow:4px 4px 4px 4px rgb(122, 193,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0391, 0.2630, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 193, 191) }
```

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

```
.background{ background-color: rgb(122,  
193, 191) }
```

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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