

# Converting Colors

$Yxy(46.6539, 0.2491, 0.3490)$

Have a look what the booklet for  
Yxy(46.6539, 0.2491, 0.3490)  
contains.

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# Color

**Yxy(46.8322, 0.2491, 0.3497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56C8BA
RGB	86, 200, 186
RGB Percent	34%, 78%, 73%
CMY	0.6624, 0.2157, 0.2706
CMYK	0.57, 0.00, 0.07, 0.22
HSL	173°, 51%, 56%
HSV	173°, 57%, 78%
XYZ	33.3597, 46.8322, 53.7291
YIQ	164.3180, -63.4500, -28.5220

# Conversions

## Conversions Part 2

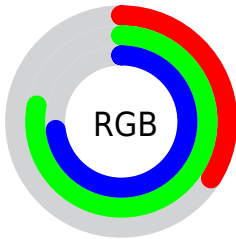
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 147, 200
Decimal	5687482
CIELab	74.08, -35.59, -2.73
CIELCh	74, 35.696, 184.387
Yxy	46.8322, 0.2491, 0.3497
Android (android.graphics.Color)	4283877562 (0xFF56C8BA)
YUV	164.3180, 10.6892, -68.6849
Hunter-Lab	68.4341, -32.7457, 1.3539

# Details

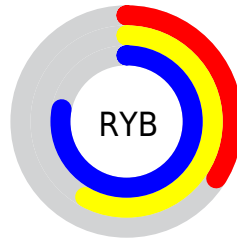
The Yxy color **46.8322, 0.2491, 0.3497** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.8705, 0.4625, 0.3120**, and the grayscale version is **37.2656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9505, 0.2598, 0.3437**, and **21.9443, 0.2317, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **45.9090, 0.2429, 0.3539**, and if you desaturate by 10%, it is **48.0265, 0.2571, 0.3456**.

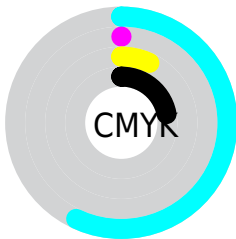
# Distribution



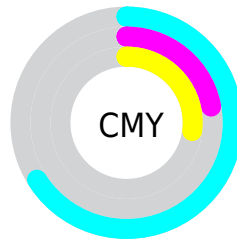
- Red (34%)
- Green (78%)
- Blue (73%)



- Red (34%)
- Yellow (58%)
- Blue (78%)



- Cyan (57%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (66%)
- Magenta (22%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8322, 0.2491, 0.3497 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 46.8322, 0.2491, 0.3497 by changing the saturation by 10% instead.




 46.8322, 0.2491,  
0.3497


 46.8322, 0.2491,  
0.3497


374.1443, 0.2805,  
0.3397


 32.9030, 0.2414,  
0.3521


 85.4631, 0.2604,  
0.3462


 22.0522, 0.2317,  
0.3550


 110.9336, 0.2647,  
0.3448

 13.8952, 0.2189,  
0.3588

 141.0200, 0.2683,  
0.3437

 8.0478, 0.2014,  
0.3638

 176.1067, 0.2714,  
0.3427

 4.1256, 0.1763,  
0.3705

216.5781, 0.2741,  
0.3418

 1.7441, 0.1341,  
0.3815

262.8186, 0.2765,

 0.4519, 0.0000,

0.3410

0.3982

315.2125, 0.2786,  
0.3403

0.0000, 0.0000,  
0.0000

46.8322, 0.2491,  
0.3497

46.8322, 0.2491,  
0.3497

45.9090, 0.2429,  
0.3539

48.0265, 0.2571,  
0.3456

45.2287, 0.2387,  
0.3582

49.5065, 0.2668,  
0.3416

44.7664, 0.2363,  
0.3625

51.2923, 0.2779,  
0.3378

44.4866, 0.2356,  
0.3667

53.4007, 0.2901,  
0.3343

44.4177, 0.2356,  
0.3680

55.8470, 0.3032,  
0.3311

■ 58.6459, 0.3169,  
0.3281

■ 61.8108, 0.3309,  
0.3255

■ 65.3548, 0.3450,  
0.3231

■ 67.1267, 0.3502,  
0.3208

# Harmonies

## Analogous

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



46.8322, 0.2899, 0.3955



46.8322, 0.2491, 0.3497



46.8322, 0.2259, 0.3012

# Triad

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



46.8322, 0.2491, 0.3497



46.8322, 0.2808, 0.2538



46.8322, 0.4092, 0.3830

# Complementary

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



46.8322, 0.2491, 0.3497



19.8705, 0.4625, 0.3120

# 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.



46.8322, 0.4080, 0.3447



46.8322, 0.2491, 0.3497



46.8322, 0.3303, 0.2737

# Square

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



46.8322, 0.2491, 0.3497



46.8322, 0.2431, 0.2505



46.8322, 0.3783, 0.3059



46.8322, 0.3831, 0.4116



# Rectangle

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



46.8322, 0.2491, 0.3497



46.8322, 0.2222, 0.2758



46.8322, 0.3783, 0.3059



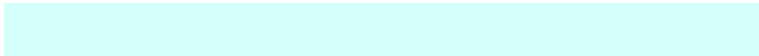
46.8322, 0.4121, 0.3708

# Sweetspot

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



46.8340, 0.2491, 0.3497



92.3465, 0.2898, 0.3344



44.7626, 0.3134, 0.5058



19.5975, 0.2872, 0.3351



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.



46.8340, 0.2491, 0.3497



79.2180, 0.2419, 0.3548



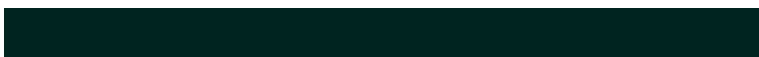
30.6848, 0.2280, 0.2636



12.0442, 0.3000, 0.3318



28.2527, 0.2354, 0.3674



1.3442, 0.2329, 0.3586



# Inverse Universe

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



19.8705, 0.4625, 0.3120



28.2121, 0.5147, 0.3111



28.3526, 0.4481, 0.3826



10.6578, 0.3271, 0.3262



7.8584, 0.6232, 0.3207

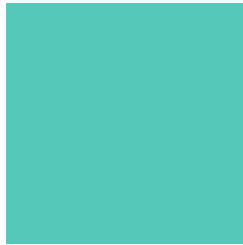


0.3793, 0.5787, 0.2962



# Previews

## White Background



This preview shows how the Yxy color 46.8322, 0.2491, 0.3497 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 46.8322, 0.2491, 0.3497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

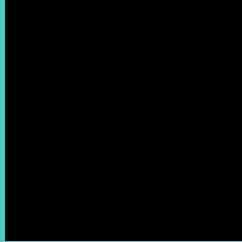
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

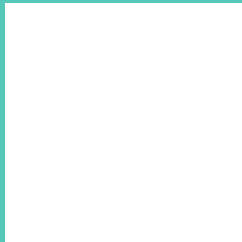
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.8322, 0.2491, 0.3497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.8322, 0.2491, 0.3497.

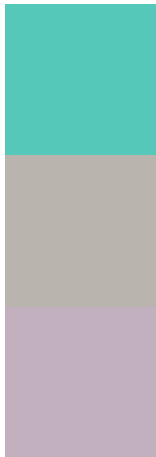


This preview shows how white text looks on a background with the Yxy color 46.8322, 0.2491, 0.3497.

# 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**

46.8322, 0.2491, 0.3497

**Protanopia**

46.1768, 0.3220, 0.3355

**Deuteranopia**

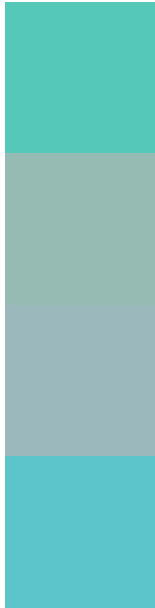
46.2816, 0.3162, 0.3102



## Tritanopia

46.7201, 0.2389, 0.3063

# Trichromacy



**Original Color**

46.8322, 0.2491, 0.3497

**Protanomaly**

45.2794, 0.2891, 0.3401

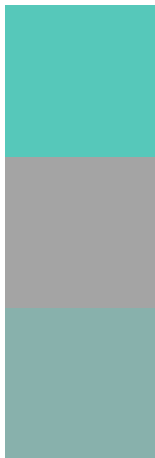
**Deuteranomaly**

45.3406, 0.2857, 0.3235

**Tritanomaly**

46.5196, 0.2420, 0.3202

# Monochromacy



**Original Color**

46.8322, 0.2491, 0.3497

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

39.6571, 0.2826, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8322, 0.2491, 0.3497 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(86, 200, 186)` looks like.

```
.text, #text, p{  
  color:rgb(86, 200, 186)  
}
```

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(86, 200, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 200, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8322, 0.2491, 0.3497 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(86, 200, 186) }
```

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

```
.border{ border-color:rgb(86, 200, 186) }
```

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

Here you see how a box with a 4 pixel rgb(86, 200, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 200, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 200, 186);  
box-shadow:4px 4px 4px 4px rgb(86, 200,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8322, 0.2491, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 200, 186) }
```

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

```
.background{ background-color: rgb(86, 200,  
186) }
```

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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