

# Converting Colors

$Y_{xy}(41.9530, 0.2640, 0.3561)$

Have a look what the booklet for  
Yxy(41.9530, 0.2640, 0.3561)  
contains.

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# Color

**Yxy(41.9100, 0.2640, 0.3550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69BCAB
RGB	105, 188, 171
RGB Percent	41%, 74%, 67%
CMY	0.5879, 0.2628, 0.3294
CMYK	0.44, 0.00, 0.09, 0.26
HSL	168°, 38%, 57%
HSV	168°, 44%, 74%
XYZ	31.1669, 41.9100, 44.9795
YIQ	161.2450, -44.0110, -22.8830

# Conversions

## Conversions Part 2

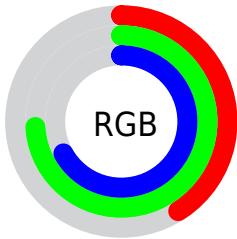
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	105, 151, 188
Decimal	6929579
CIE <sub>Lab</sub>	70.81, -29.39, 0.72
CIE <sub>LCh</sub>	71, 29.395, 178.601
Yxy	41.9100, 0.2640, 0.3550
Android (android.graphics.Color)	4285119659 (0xFF69BCAB)
YUV	161.2450, 4.8092, -49.3269
Hunter-Lab	64.7379, -27.3559, 4.1223

# Details

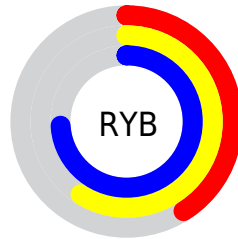
The Yxy color **41.9100, 0.2640, 0.3550** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.2160, 0.4032, 0.3056**, and the grayscale version is **35.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2694, 0.2730, 0.3510**, and **19.0351, 0.2495, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **40.7507, 0.2562, 0.3620**, and if you desaturate by 10%, it is **43.3286, 0.2733, 0.3483**.

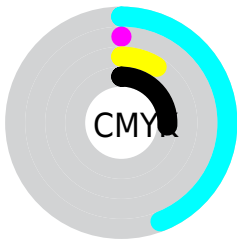
# Distribution



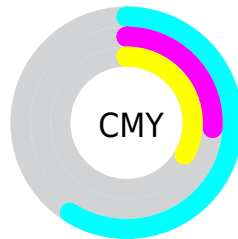
- Red (41%)
- Green (74%)
- Blue (67%)



- Red (41%)
- Yellow (59%)
- Blue (74%)



- Cyan (44%)
- Magenta (0%)
- Yellow (9%)
- Black (26%)




- Cyan (59%)
- Magenta (26%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9100, 0.2640, 0.3550 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 41.9100, 0.2640, 0.3550 by changing the saturation by 10% instead.




 41.9100, 0.2640,  
0.3550


 41.9100, 0.2640,  
0.3550

354.1097, 0.2887,  
0.3418

 29.0308, 0.2577,  
0.3584


 78.0634, 0.2731,  
0.3501


 19.1041, 0.2496,  
0.3627


 102.1064, 0.2764,  
0.3483

 11.7456, 0.2388,  
0.3686


 130.6395, 0.2793,  
0.3468

 6.5707, 0.2234,  
0.3770

 164.0470, 0.2817,  
0.3455

 3.1951, 0.2003,  
0.3896

202.7134, 0.2838,  
0.3444

 1.2344, 0.1430,  
0.4203

247.0231, 0.2857,

 0.0895, 0.0000,

0.3434

0.6543

297.3604, 0.2873,  
0.3425

0.0000, 0.0000,  
0.0000

41.9100, 0.2640,  
0.3550

41.9100, 0.2640,  
0.3550

40.7507, 0.2562,  
0.3620

43.3286, 0.2733,  
0.3483

39.8288, 0.2500,  
0.3693

45.0168, 0.2839,  
0.3421

39.1273, 0.2458,  
0.3767


46.9902, 0.2954,  
0.3363


38.6243, 0.2435,  
0.3841


49.2620, 0.3076,  
0.3310

38.2938, 0.2430,  
0.3915


51.8444, 0.3202,  
0.3262

 38.1486, 0.2433,  
0.3959

 54.7490, 0.3329,  
0.3220

 57.9866, 0.3456,  
0.3182

 61.4784, 0.3577,  
0.3148

 61.6628, 0.3545,  
0.3109

# Harmonies

## Analogous

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



41.9100, 0.3016, 0.3907



41.9100, 0.2640, 0.3550



41.9100, 0.2402, 0.3132

# Triad

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



41.9100, 0.2640, 0.3550



41.9100, 0.2782, 0.2620



41.9100, 0.3971, 0.3704

# Complementary

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



41.9100, 0.2640, 0.3550



22.2160, 0.4032, 0.3056

# 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.



41.9100, 0.3908, 0.3366



41.9100, 0.2640, 0.3550



41.9100, 0.3196, 0.2768

# Square

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



41.9100, 0.2640, 0.3550



41.9100, 0.2481, 0.2625



41.9100, 0.3617, 0.3033



41.9100, 0.3792, 0.3966



# Rectangle

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



41.9100, 0.2640, 0.3550



41.9100, 0.2345, 0.2895



41.9100, 0.3617, 0.3033



41.9100, 0.3978, 0.3595

# Sweetspot

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



41.9117, 0.2640, 0.3550



85.5161, 0.2965, 0.3358



41.1986, 0.3199, 0.4591



18.2075, 0.2939, 0.3370



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.9117, 0.2640, 0.3550



73.9064, 0.2563, 0.3618



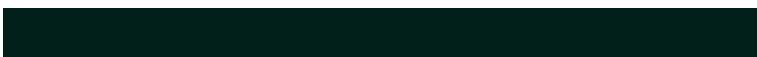
33.3686, 0.2477, 0.2923



10.7751, 0.3011, 0.3337



25.9870, 0.2431, 0.3950



1.0266, 0.2381, 0.3773



# Inverse Universe

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



22.2160, 0.4032, 0.3056



33.5926, 0.4355, 0.3012



27.2994, 0.4123, 0.3621



9.5675, 0.3257, 0.3243



7.3856, 0.6036, 0.3099

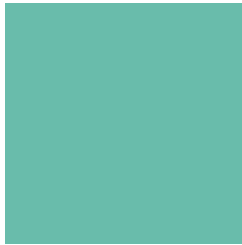


0.2989, 0.5375, 0.2734



# Previews

## White Background



This preview shows how the Yxy color 41.9100, 0.2640, 0.3550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

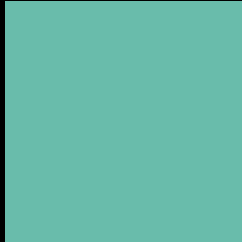
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9100, 0.2640, 0.3550 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 41.9100, 0.2640, 0.3550**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.9100, 0.2640, 0.3550.



This preview shows how white text looks on a background with the Yxy color 41.9100, 0.2640, 0.3550.

# 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

41.9100, 0.2640, 0.3550

### Protanopia

41.5787, 0.3267, 0.3427

### Deuteranopia

41.2974, 0.3243, 0.3185



## Tritanopia

41.9152, 0.2510, 0.3071

# Trichromacy



**Original Color**

41.9100, 0.2640, 0.3550

**Protanomaly**

41.1367, 0.2999, 0.3478

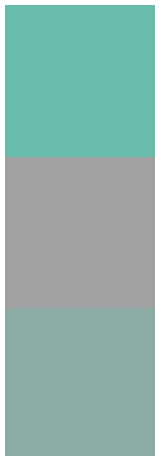
**Deuteranomaly**

40.8840, 0.2980, 0.3304

**Tritanomaly**

41.6870, 0.2553, 0.3229

# Monochromacy



**Original Color**

41.9100, 0.2640, 0.3550

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

37.5052, 0.2914, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9100, 0.2640, 0.3550 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(105, 188, 171)` looks like.

```
.text, #text, p{  
    color:rgb(105, 188, 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(105, 188, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 188, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9100, 0.2640, 0.3550 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(105, 188, 171) }
```

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

```
.border{ border-color:rgb(105, 188, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 188, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 188, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 188, 171); box-shadow:4px 4px 4px 4px rgb(105, 188, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9100, 0.2640, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 188, 171) }
```

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

```
.background{ background-color: rgb(105,  
188, 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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