

# Converting Colors

$Y_{xy}(41.7425, 0.2455, 0.3460)$

Have a look what the booklet for  
Yxy(41.7425, 0.2455, 0.3460)  
contains.

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# Color

**Yxy(41.6181, 0.2455, 0.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CBEB3
RGB	76, 190, 179
RGB Percent	30%, 75%, 70%
CMY	0.7021, 0.2549, 0.2980
CMYK	0.60, 0.00, 0.06, 0.25
HSL	174°, 47%, 52%
HSV	174°, 60%, 75%
XYZ	29.5296, 41.6181, 49.1358
YIQ	154.6600, -64.4130, -27.5890

# Conversions

## Conversions Part 2

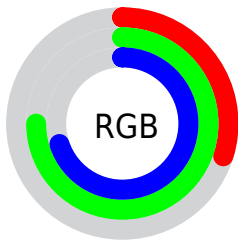
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 136, 190
Decimal	5029555
CIELab	70.61, -34.66, -4.08
CIELCh	71, 34.901, 186.720
Yxy	41.6181, 0.2455, 0.3460
Android (android.graphics.Color)	4283219635 (0xFF4CBEB3)
YUV	154.6600, 11.9996, -68.9848
Hunter-Lab	64.5121, -31.1900, 0.0001

# Details

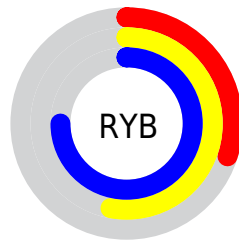
The Yxy color **41.6181, 0.2455, 0.3460** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.7982, 0.4797, 0.3155**, and the grayscale version is **32.5842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7539, 0.2577, 0.3430**, and **19.1147, 0.2309, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **40.8800, 0.2397, 0.3493**, and if you desaturate by 10%, it is **42.5902, 0.2532, 0.3428**.

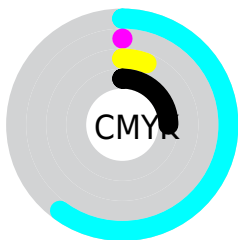
# Distribution



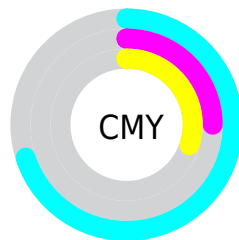
- Red (30%)
- Green (75%)
- Blue (70%)



- Red (30%)
- Yellow (53%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)




- Cyan (70%)
- Magenta (25%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6181, 0.2455, 0.3460 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 41.6181, 0.2455, 0.3460 by changing the saturation by 10% instead.





 41.6181, 0.2455,  
0.3460

 41.6181, 0.2455,  
0.3460


352.8974, 0.2792,  
0.3379


 28.8024, 0.2371,  
0.3479


 77.6213, 0.2578,  
0.3431


 18.9314, 0.2263,  
0.3502

 101.5776, 0.2624,  
0.3420

 11.6207, 0.2120,  
0.3532


 130.0161, 0.2663,  
0.3411

 6.4860, 0.1922,  
0.3569

 163.3214, 0.2696,  
0.3403

 3.1428, 0.1633,  
0.3616

201.8778, 0.2725,  
0.3396

 1.2067, 0.0851,  
0.3802

246.0696, 0.2750,

 0.0672, 0.0000,

0.3389

0.1578

296.2814, 0.2773,  
0.3384

0.0000, 0.0000,  
0.0000

41.6181, 0.2455,  
0.3460

41.6181, 0.2455,  
0.3460

40.8800, 0.2397,  
0.3493

42.5902, 0.2532,  
0.3428

40.3500, 0.2358,  
0.3526

43.8097, 0.2626,  
0.3397

40.0052, 0.2337,  
0.3558

45.2948, 0.2735,  
0.3367

39.7967, 0.2331,  
0.3591

47.0606, 0.2857,  
0.3339

49.1211, 0.2988,  
0.3314

■ 51.4893, 0.3127,  
0.3290

■ 54.1774, 0.3270,  
0.3269

■ 57.1970, 0.3414,  
0.3250

■ 60.5592, 0.3559,  
0.3233

# Harmonies

## Analogous

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



41.6181, 0.2858, 0.3937



41.6181, 0.2455, 0.3460



41.6181, 0.2236, 0.2972

# Triad

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



41.6181, 0.2455, 0.3460



41.6181, 0.2839, 0.2537



41.6181, 0.4096, 0.3865

# Complementary

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



41.6181, 0.2455, 0.3460



16.7982, 0.4797, 0.3155

# 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.



41.6181, 0.4108, 0.3480



41.6181, 0.2455, 0.3460



41.6181, 0.3347, 0.2750

# Square

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



41.6181, 0.2455, 0.3460



41.6181, 0.2444, 0.2488



41.6181, 0.3826, 0.3084



41.6181, 0.3812, 0.4145



# Rectangle

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



41.6181, 0.2455, 0.3460



41.6181, 0.2210, 0.2724



41.6181, 0.3826, 0.3084



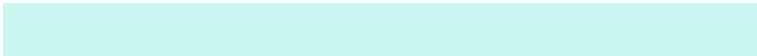
41.6181, 0.4134, 0.3743

# Sweetspot

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



41.6197, 0.2455, 0.3460



85.8829, 0.2879, 0.3335



39.3943, 0.3105, 0.5166



18.6340, 0.2841, 0.3343



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.



41.6197, 0.2455, 0.3460



73.7349, 0.2383, 0.3503



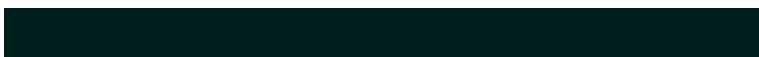
25.3166, 0.2229, 0.2530



10.7933, 0.2997, 0.3312



26.4672, 0.2330, 0.3586



1.0414, 0.2308, 0.3508



# Inverse Universe

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



16.7982, 0.4797, 0.3155



24.8044, 0.5386, 0.3157



25.2846, 0.4538, 0.3897



9.5509, 0.3274, 0.3268



7.3144, 0.6274, 0.3230

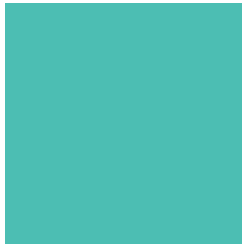


0.2916, 0.5858, 0.3001



# Previews

## White Background



This preview shows how the Yxy color 41.6181, 0.2455, 0.3460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

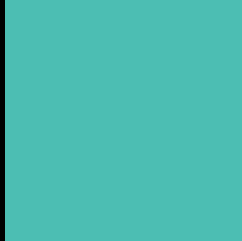
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6181, 0.2455, 0.3460 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

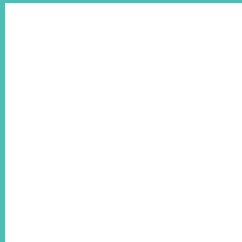
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.6181, 0.2455, 0.3460**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6181, 0.2455, 0.3460.

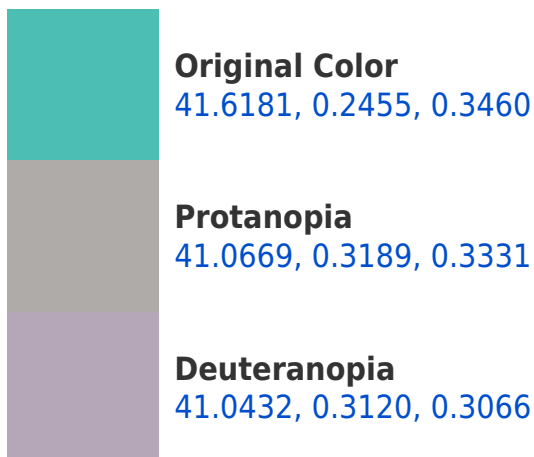


This preview shows how white text looks on a background with the Yxy color 41.6181, 0.2455, 0.3460.

# 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

41.7362, 0.2363, 0.3065

# Trichromacy



## Original Color

41.6181, 0.2455, 0.3460



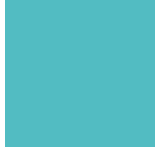
## Protanomaly

40.3083, 0.2850, 0.3378



## Deuteranomaly

39.8770, 0.2806, 0.3188



## Tritanomaly

41.6553, 0.2395, 0.3197

# Monochromacy



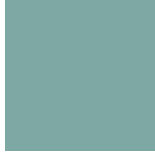
## Original Color

41.6181, 0.2455, 0.3460



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

35.1212, 0.2797, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6181, 0.2455, 0.3460 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(76, 190, 179)` looks like.

```
.text, #text, p{  
  color:rgb(76, 190, 179)  
}
```

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(76, 190, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6181, 0.2455, 0.3460 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(76, 190, 179) }
```

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

```
.border{ border-color:rgb(76, 190, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 190, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 179);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6181, 0.2455, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 179) }
```

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

```
.background{ background-color: rgb(76, 190,  
179) }
```

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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