

# Converting Colors

$Yxy(41.6836, 0.2309, 0.3151)$

Have a look what the booklet for  
Yxy(41.6836, 0.2309, 0.3151)  
contains.

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# Color

**Yxy(41.5292, 0.2309, 0.3151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FBDC6
RGB	63, 189, 198
RGB Percent	25%, 74%, 78%
CMY	0.7536, 0.2588, 0.2235
CMYK	0.68, 0.05, 0.00, 0.22
HSL	184°, 54%, 51%
HSV	184°, 68%, 78%
XYZ	30.4319, 41.5292, 59.8358
YIQ	152.3520, -77.9850, -23.9130

# Conversions

## Conversions Part 2

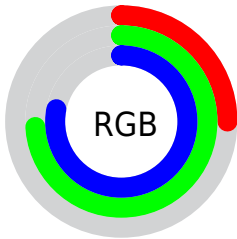
Format	Color
<a href="#">RYB</a>	<a href="#">63, 128, 198</a>
Decimal	<a href="#">4177350</a>
CIELab	<a href="#">70.55, -30.98, -14.60</a>
CIELCh	<a href="#">71, 34.250, 205.237</a>
Yxy	<a href="#">41.5292, 0.2309, 0.3151</a>
Android (android.graphics.Color)	<a href="#">4282367430 (0xFF3FBDC6)</a>
YUV	<a href="#">152.3520, 22.5045, -78.3617</a>
Hunter-Lab	<a href="#">64.4432, -28.4827, -9.9409</a>

# Details

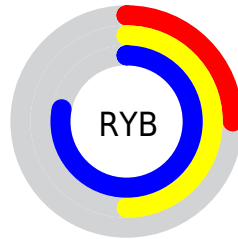
The Yxy color **41.5292, 0.2309, 0.3151** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.9731, 0.5295, 0.3393**, and the grayscale version is **31.4667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7207, 0.2454, 0.3184**, and **19.3416, 0.2194, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **40.4303, 0.2252, 0.3128**, and if you desaturate by 10%, it is **42.8704, 0.2385, 0.3174**.

# Distribution



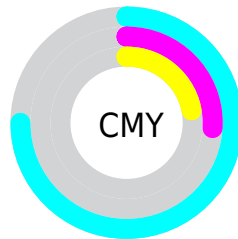
- Red (25%)
- Green (74%)
- Blue (78%)



- Red (25%)
- Yellow (50%)
- Blue (78%)



- Cyan (68%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)




- Cyan (75%)
- Magenta (26%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5292, 0.2309, 0.3151 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 41.5292, 0.2309, 0.3151 by changing the saturation by 10% instead.





 41.5292, 0.2309,  
0.3151

 41.5292, 0.2309,  
0.3151

352.5276, 0.2713,  
0.3234


 28.7328, 0.2210,  
0.3126


 77.4866, 0.2454,  
0.3184


 18.8788, 0.2086,  
0.3092


 101.4164, 0.2509,  
0.3196

 11.5827, 0.1923,  
0.3042


 129.8261, 0.2556,  
0.3205

 6.4602, 0.1704,  
0.2965

 163.1002, 0.2596,  
0.3213

 3.1269, 0.1397,  
0.2835

 201.6230, 0.2631,  
0.3219

 1.1983, 0.0777,  
0.2636

245.7789, 0.2662,

 0.0603, 0.0000,

0.3225

0.0524

295.9523, 0.2689,  
0.3230

0.0000, 0.0000,  
0.0000

41.5292, 0.2309,  
0.3151

41.5292, 0.2309,  
0.3151

40.4303, 0.2252,  
0.3128

42.8704, 0.2385,  
0.3174

39.5425, 0.2214,  
0.3106

44.4720, 0.2479,  
0.3196

38.8265, 0.2192,  
0.3084

46.3554, 0.2590,  
0.3217

38.7089, 0.2189,  
0.3080

48.5386, 0.2716,  
0.3238

51.0380, 0.2854,  
0.3258

■ 53.8690, 0.3001,  
0.3276

■ 57.0458, 0.3154,  
0.3293

■ 60.5818, 0.3311,  
0.3308

■ 64.4898, 0.3468,  
0.3322

# Harmonies

## Analogous

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



41.5292, 0.2601, 0.3649



41.5292, 0.2309, 0.3151



41.5292, 0.2224, 0.2749

# Triad

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



41.5292, 0.2309, 0.3151



41.5292, 0.3147, 0.2662



41.5292, 0.3934, 0.4045

# Complementary

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



41.5292, 0.2309, 0.3151



16.9731, 0.5295, 0.3393

# 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.



41.5292, 0.4119, 0.3718



41.5292, 0.2309, 0.3151



41.5292, 0.3648, 0.2951

# Square

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



41.5292, 0.2309, 0.3151



41.5292, 0.2677, 0.2510



41.5292, 0.4016, 0.3326



41.5292, 0.3535, 0.4193



# Rectangle

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



41.5292, 0.2309, 0.3151



41.5292, 0.2286, 0.2583



41.5292, 0.4016, 0.3326



41.5292, 0.4024, 0.3950

# Sweetspot

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



41.5308, 0.2309, 0.3151



89.4344, 0.2825, 0.3254



41.8753, 0.2999, 0.5384



18.8670, 0.2785, 0.3248



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.



41.5308, 0.2309, 0.3151



70.7723, 0.2231, 0.3117



19.4578, 0.2041, 0.2048



11.9422, 0.2984, 0.3274



25.2239, 0.2190, 0.3083



1.2316, 0.2203, 0.3129



# Inverse Universe

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



19.2168, 0.3308, 0.1856



29.5634, 0.3347, 0.1703



30.3031, 0.4589, 0.4195



10.8040, 0.3148, 0.3077



10.0864, 0.3381, 0.1636

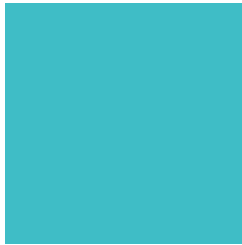


0.4813, 0.3342, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 41.5292, 0.2309, 0.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

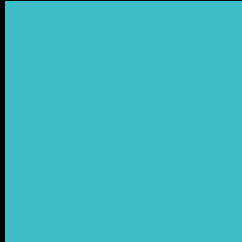
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.5292, 0.2309, 0.3151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

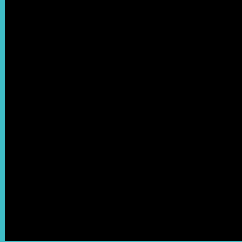
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

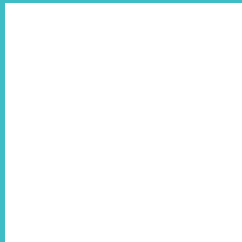
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.5292, 0.2309, 0.3151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.5292, 0.2309, 0.3151.

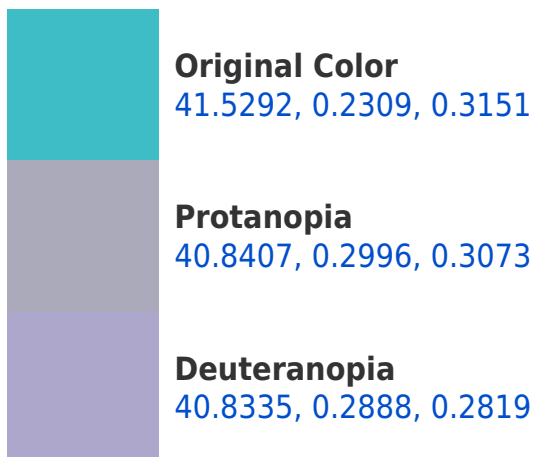


This preview shows how white text looks on a background with the Yxy color 41.5292, 0.2309, 0.3151.

# 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

41.4365, 0.2292, 0.3062

# Trichromacy



## Original Color

41.5292, 0.2309, 0.3151

## Protanomaly

39.9873, 0.2665, 0.3100

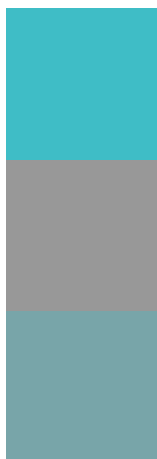
## Deuteranomaly

39.8635, 0.2604, 0.2921

## Tritanomaly

41.3073, 0.2298, 0.3091

# Monochromacy



## Original Color

41.5292, 0.2309, 0.3151

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

33.7679, 0.2709, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5292, 0.2309, 0.3151 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(63, 189, 198)` looks like.

```
.text, #text, p{  
    color:rgb(63, 189, 198)  
}
```

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(63, 189, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 189, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5292, 0.2309, 0.3151 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(63, 189, 198) }
```

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

```
.border{ border-color:rgb(63, 189, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 189, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 189, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 189, 198);  
box-shadow:4px 4px 4px 4px rgb(63, 189,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5292, 0.2309, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 189, 198) }
```

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

```
.background{ background-color: rgb(63, 189,  
198) }
```

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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