

# Converting Colors

$Yxy(60.3313, 0.2581, 0.3575)$

Have a look what the booklet for  
Yxy(60.3313, 0.2581, 0.3575)  
contains.

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# Color

**Yxy(60.4371, 0.2586, 0.3583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70DFC9
RGB	112, 223, 201
RGB Percent	44%, 87%, 79%
CMY	0.5604, 0.1255, 0.2118
CMYK	0.50, 0.00, 0.10, 0.13
HSL	168°, 63%, 66%
HSV	168°, 50%, 87%
XYZ	43.6200, 60.4371, 64.6203
YIQ	187.3030, -59.0940, -30.3740

# Conversions

## Conversions Part 2

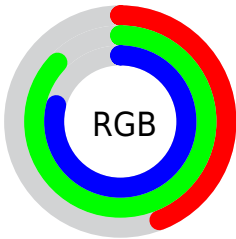
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 174, 223
Decimal	7397321
CIELab	82.08, -37.07, 1.02
CIELCh	82, 37.079, 178.421
Yxy	60.4371, 0.2586, 0.3583
Android (android.graphics.Color)	4285587401 (0xFF70DFC9)
YUV	187.3030, 6.7526, -66.0407
Hunter-Lab	77.7413, -35.8925, 5.1357

# Details

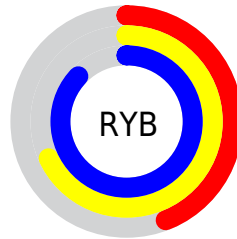
The Yxy color **60.4371, 0.2586, 0.3583** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.0193, 0.4240, 0.3035**, and the grayscale version is **49.8733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **30.3970, 0.2448, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **58.9468, 0.2517, 0.3653**, and if you desaturate by 10%, it is **62.3005, 0.2672, 0.3516**.

# Distribution



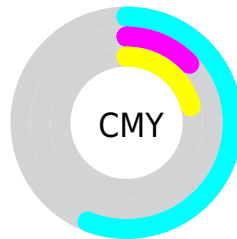
- Red (44%)
- Green (87%)
- Blue (79%)



- Red (44%)
- Yellow (68%)
- Blue (87%)



- Cyan (50%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)



- Cyan (56%)
- Magenta (13%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4371, 0.2586, 0.3583 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 60.4371, 0.2586, 0.3583 by changing the saturation by 10% instead.




 60.4371, 0.2586,  
0.3583


 60.4371, 0.2586,  
0.3583


426.2070, 0.2844,  
0.3443

 43.7710, 0.2525,  
0.3616

 105.4635, 0.2677,  
0.3533

 30.4906, 0.2450,  
0.3658


 134.5926, 0.2712,  
0.3514

 20.2112, 0.2352,  
0.3711


 168.6448, 0.2742,  
0.3498

 12.5487, 0.2223,  
0.3783

208.0046, 0.2768,  
0.3484

 7.1185, 0.2043,  
0.3883

253.0563, 0.2790,  
0.3472

 3.5363, 0.1778,  
0.4033

304.1844, 0.2810,

 1.4177, 0.1132,

0.3461

0.4387

361.7732, 0.2828,  
0.3451

0.2297, 0.0000,  
0.5624

0.0000, 0.0000,  
0.0000

60.4371, 0.2586,  
0.3583

60.4371, 0.2586,  
0.3583

58.9468, 0.2517,  
0.3653

62.3005, 0.2672,  
0.3516

57.7950, 0.2466,  
0.3725


64.5542, 0.2772,  
0.3452

56.9532, 0.2435,  
0.3798


67.2230, 0.2884,  
0.3393

56.3843, 0.2424,  
0.3870


70.3276, 0.3005,  
0.3338


 56.0255, 0.2429,  
0.3942


 73.8873, 0.3131,  
0.3289

 56.0169, 0.2429,  
0.3944

 77.9202, 0.3260,  
0.3244

 79.8558, 0.3295,  
0.3201

 80.1103, 0.3265,  
0.3158

 80.3712, 0.3235,  
0.3115

# Harmonies

## Analogous

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



60.4371, 0.3002, 0.3987



60.4371, 0.2586, 0.3583



60.4371, 0.2325, 0.3112

# Triad

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



60.4371, 0.2586, 0.3583



60.4371, 0.2739, 0.2549



60.4371, 0.4069, 0.3741

# Complementary

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



60.4371, 0.2586, 0.3583



29.0193, 0.4240, 0.3035

# 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.



60.4371, 0.3999, 0.3367



60.4371, 0.2586, 0.3583



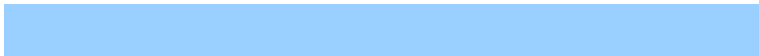
60.4371, 0.3199, 0.2711

# Square

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



60.4371, 0.2586, 0.3583



60.4371, 0.2409, 0.2553



60.4371, 0.3671, 0.3001



60.4371, 0.3867, 0.4039



# Rectangle

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



60.4371, 0.2586, 0.3583



60.4371, 0.2261, 0.2848



60.4371, 0.3671, 0.3001



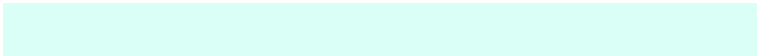
60.4371, 0.4077, 0.3620

# Sweetspot

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



60.4395, 0.2586, 0.3583



92.9743, 0.2939, 0.3367



59.0346, 0.3189, 0.4803



19.7130, 0.2914, 0.3379



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.



60.4395, 0.2586, 0.3583



79.7619, 0.2513, 0.3658



45.4852, 0.2392, 0.2835



15.5233, 0.3008, 0.3337



32.9556, 0.2426, 0.3933



2.2963, 0.2395, 0.3822



# Inverse Universe

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



29.0193, 0.4240, 0.3035



32.4383, 0.4638, 0.2998



37.2206, 0.4311, 0.3685



13.7448, 0.3261, 0.3244



9.3451, 0.6072, 0.3118

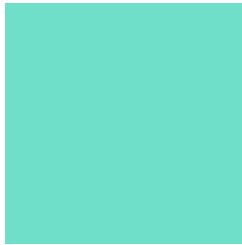


0.6604, 0.5649, 0.2886



# Previews

## White Background



This preview shows how the Yxy color 60.4371, 0.2586, 0.3583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

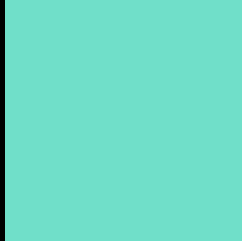
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4371, 0.2586, 0.3583 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

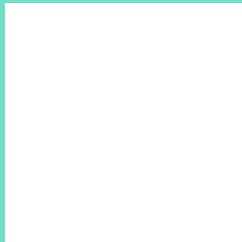
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4371, 0.2586, 0.3583**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4371, 0.2586, 0.3583.

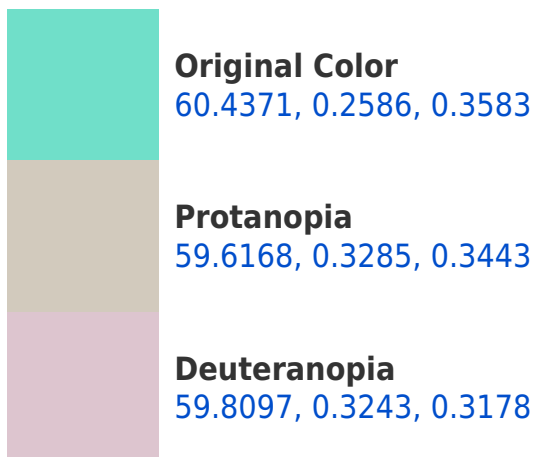


This preview shows how white text looks on a background with the Yxy color 60.4371, 0.2586, 0.3583.

# 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

60.4099, 0.2453, 0.3062

# Trichromacy



## Original Color

60.4371, 0.2586, 0.3583



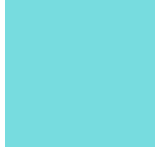
## Protanomaly

58.9421, 0.2979, 0.3503



## Deuteranomaly

58.3741, 0.2950, 0.3302



## Tritanomaly

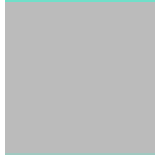
60.4361, 0.2501, 0.3250

# Monochromacy



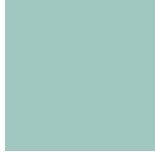
## Original Color

60.4371, 0.2586, 0.3583



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

52.5879, 0.2883, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4371, 0.2586, 0.3583 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(112, 223, 201)` looks like.

```
.text, #text, p{  
    color:rgb(112, 223, 201)  
}
```

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(112, 223, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 223, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4371, 0.2586, 0.3583 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(112, 223, 201) }
```

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

```
.border{ border-color:rgb(112, 223, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 223, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 223, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 223, 201);  
box-shadow:4px 4px 4px 4px rgb(112, 223,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4371, 0.2586, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 223, 201) }
```

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

```
.background{ background-color: rgb(112,  
223, 201) }
```

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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