

# Converting Colors

$Yxy(51.6427, 0.2313, 0.3135)$

Have a look what the booklet for  
Yxy(51.6427, 0.2313, 0.3135)  
contains.

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# Color

**Yxy(51.6427, 0.2313, 0.3135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49D0DB
RGB	73, 208, 219
RGB Percent	29%, 82%, 86%
CMY	0.7129, 0.1844, 0.1411
CMYK	0.67, 0.05, 0.00, 0.14
HSL	185°, 67%, 57%
HSV	185°, 67%, 86%
XYZ	38.1019, 51.6427, 74.9849
YIQ	168.8890, -83.9910, -25.1990

# Conversions

## Conversions Part 2

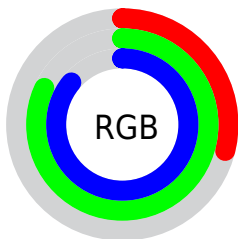
Format	Color
<a href="#">RYB</a>	<a href="#">73, 143, 219</a>
Decimal	<a href="#">4837595</a>
CIELab	<a href="#">77.07, -32.48, -16.16</a>
CIELCh	<a href="#">77, 36.275, 206.451</a>
Yxy	<a href="#">51.6427, 0.2313, 0.3135</a>
Android (android.graphics.Color)	<a href="#">4283027675 (0xFF49D0DB)</a>
YUV	<a href="#">168.8890, 24.7047, -84.0947</a>
Hunter-Lab	<a href="#">71.8629, -31.1187, -11.5618</a>

# Details

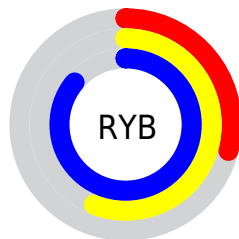
The Yxy color **51.6427, 0.2313, 0.3135** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.9223, 0.5225, 0.3407**, and the grayscale version is **39.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **25.4628, 0.2189, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **50.1285, 0.2253, 0.3109**, and if you desaturate by 10%, it is **53.4705, 0.2393, 0.3161**.

# Distribution



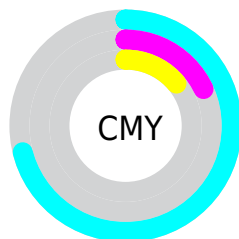
- Red (29%)
- Green (82%)
- Blue (86%)



- Red (29%)
- Yellow (56%)
- Blue (86%)



- Cyan (67%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)




- Cyan (71%)
- Magenta (18%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6427, 0.2313, 0.3135 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 51.6427, 0.2313, 0.3135 by changing the saturation by 10% instead.





 51.6427, 0.2313,  
0.3135


 51.6427, 0.2313,  
0.3135


393.0557, 0.2701,  
0.3223


 36.7204, 0.2223,  
0.3110


 92.6041, 0.2449,  
0.3169

 24.9910, 0.2110,  
0.3077


 119.4119, 0.2502,  
0.3181

 16.0704, 0.1967,  
0.3031


 150.9504, 0.2547,  
0.3191

 9.5740, 0.1779,  
0.2964

 187.6038, 0.2586,  
0.3200

 5.1174, 0.1525,  
0.2858

229.7567, 0.2620,  
0.3207

 2.3163, 0.1170,  
0.2674

277.7934, 0.2650,

 0.7823, 0.0000,

0.3213

0.2473

332.0982, 0.2677,  
0.3218

0.0000, 0.0000,  
0.0000

51.6427, 0.2313,  
0.3135

51.6427, 0.2313,  
0.3135

50.1285, 0.2253,  
0.3109

53.4705, 0.2393,  
0.3161

48.8890, 0.2211,  
0.3083

55.6345, 0.2491,  
0.3186


47.8838, 0.2187,  
0.3058


58.1619, 0.2606,  
0.3211


47.5678, 0.2180,  
0.3049

61.0754, 0.2735,  
0.3235

64.3957, 0.2876,  
0.3257

 68.1421, 0.3026,  
0.3277

 72.3329, 0.3181,  
0.3296

 76.9848, 0.3338,  
0.3313

 79.0924, 0.3384,  
0.3330

# Harmonies

## Analogous

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



51.6427, 0.2593, 0.3624



51.6427, 0.2313, 0.3135



51.6427, 0.2237, 0.2745

# Triad

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



51.6427, 0.2313, 0.3135



51.6427, 0.3167, 0.2680



51.6427, 0.3910, 0.4045

# Complementary

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



51.6427, 0.2313, 0.3135



21.9223, 0.5225, 0.3407

# 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.



51.6427, 0.4102, 0.3728



51.6427, 0.2313, 0.3135



51.6427, 0.3658, 0.2970

# Square

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



51.6427, 0.2313, 0.3135



51.6427, 0.2700, 0.2523



51.6427, 0.4012, 0.3342



51.6427, 0.3512, 0.4179

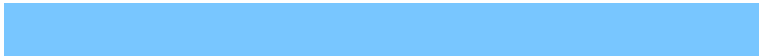


# Rectangle

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



51.6427, 0.2313, 0.3135



51.6427, 0.2305, 0.2586



51.6427, 0.4012, 0.3342



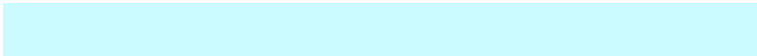
51.6427, 0.4002, 0.3954

# Sweetspot

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



51.6446, 0.2313, 0.3135



89.1414, 0.2824, 0.3249



52.7171, 0.2991, 0.5317



18.7957, 0.2785, 0.3243



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.



51.6446, 0.2313, 0.3135



69.9933, 0.2233, 0.3098



24.2576, 0.2050, 0.2037



14.6522, 0.2982, 0.3272



28.2741, 0.2182, 0.3053



1.8830, 0.2193, 0.3094



# Inverse Universe

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



24.4075, 0.3320, 0.1885



29.8936, 0.3362, 0.1730



39.2654, 0.4535, 0.4211



13.2570, 0.3149, 0.3077



11.4781, 0.3408, 0.1651

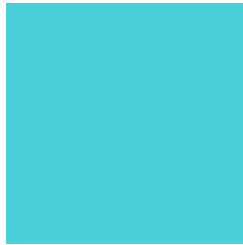


0.7488, 0.3372, 0.1631



# Previews

## White Background



This preview shows how the Yxy color 51.6427, 0.2313, 0.3135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

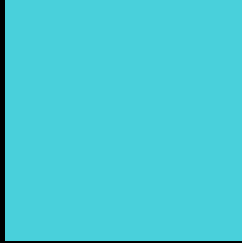
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.6427, 0.2313, 0.3135 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 51.6427, 0.2313, 0.3135**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.6427, 0.2313, 0.3135.



This preview shows how white text looks on a background with the Yxy color 51.6427, 0.2313, 0.3135.

# 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

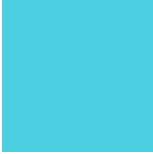
51.6427, 0.2313, 0.3135

### Protanopia

50.9875, 0.2985, 0.3067

### Deuteranopia

50.6099, 0.2879, 0.2812



## **Tritanopia**

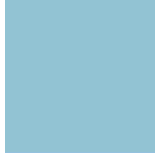
51.5440, 0.2297, 0.3055

# Trichromacy



## Original Color

51.6427, 0.2313, 0.3135



## Protanomaly

49.8444, 0.2663, 0.3078



## Deuteranomaly

49.7098, 0.2608, 0.2915



## Tritanomaly

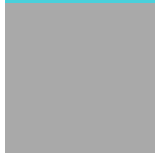
51.3954, 0.2302, 0.3081

# Monochromacy



## Original Color

51.6427, 0.2313, 0.3135



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

42.5232, 0.2715, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6427, 0.2313, 0.3135 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(73, 208, 219)` looks like.

```
.text, #text, p{  
    color:rgb(73, 208, 219)  
}
```

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(73, 208, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 208, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6427, 0.2313, 0.3135 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(73, 208, 219) }
```

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

```
.border{ border-color:rgb(73, 208, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 208, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 208, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 208, 219);  
box-shadow:4px 4px 4px 4px rgb(73, 208,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6427, 0.2313, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 208, 219) }
```

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

```
.background{ background-color: rgb(73, 208,  
219) }
```

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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