

Converting Colors

$Yxy(38.1479, 0.2020, 0.2852)$

Have a look what the booklet for
Yxy(38.1479, 0.2020, 0.2852)
contains.

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Color

Yxy(39.5020, 0.2129, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	00B9D5
RGB	0, 185, 213
RGB Percent	0%, 73%, 84%
CMY	1.0000, 0.2745, 0.1647
CMYK	1.00, 0.13, 0.00, 0.16
HSL	188°, 100%, 42%
HSV	188°, 100%, 84%
XYZ	29.3542, 39.5020, 69.0216
YIQ	132.8770, -119.2480, -30.5120

Conversions

Conversions Part 2

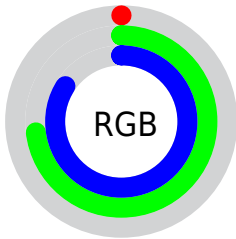
Format	Color
RYB	0, 99, 213
Decimal	47573
CIELab	69.11, -28.90, -25.06
CIELCh	69, 38.248, 220.932
Yxy	39.5020, 0.2129, 0.2865
Android (android.graphics.Color)	4278237653 (0xFF00B9D5)
YUV	132.8770, 39.5006, -116.5331
Hunter-Lab	62.8506, -26.6207, -21.1160

Details

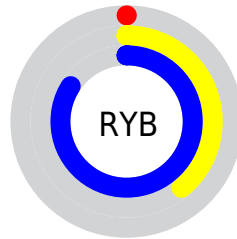
The Yxy color **39.5020, 0.2129, 0.2865** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.9744, 0.6294, 0.3384**, and the grayscale version is **23.2965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1339, 0.2362, 0.3122**, and **18.7012, 0.2095, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **39.5058, 0.2129, 0.2865**, and if you desaturate by 10%, it is **40.8510, 0.2156, 0.2911**.

Distribution



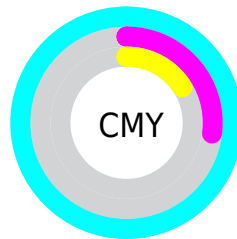
- Red (0%)
- Green (73%)
- Blue (84%)



- Red (0%)
- Yellow (39%)
- Blue (84%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5020, 0.2129, 0.2865 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 39.5020, 0.2129, 0.2865 by changing the saturation by 10% instead.


 39.5020, 0.2129,
0.2865


 39.5020, 0.2129,
0.2865


344.0201, 0.2619,
0.3097


 27.1505, 0.2012,
0.2802


 74.4046, 0.2304,
0.2954

 17.6863, 0.1865,
0.2718


 97.7244, 0.2370,
0.2986


 10.7250, 0.1677,
0.2603


 125.4692, 0.2427,
0.3012

 5.8822, 0.1430,
0.2437

 158.0232, 0.2476,
0.3035

 2.7736, 0.1099,
0.2183

 195.7709, 0.2519,
0.3054

 1.0147, 0.0451,
0.1807

239.0967, 0.2556,

 0.0000, 0.0000,

0.3070

0.0000

288.3850, 0.2589,
0.3085

■ 39.5020, 0.2129,
0.2865

■ 39.5020, 0.2129,
0.2865

■ 39.5058, 0.2129,
0.2865

■ 40.8510, 0.2156,
0.2911

■ 42.3988, 0.2199,
0.2957

■ 44.2092, 0.2260,
0.3003

■ 46.3155, 0.2341,
0.3049

■ 48.7454, 0.2440,
0.3095

■ 51.5236, 0.2556,
0.3139

■ 54.6721, 0.2685,
0.3181

■ 58.2108, 0.2826,
0.3220

■ 62.1585, 0.2974,
0.3257

Harmonies

Analogous

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



39.5020, 0.2334, 0.3395



39.5020, 0.2129, 0.2865



39.5020, 0.2161, 0.2522

Triad

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



39.5020, 0.2129, 0.2865



39.5020, 0.3451, 0.2739



39.5020, 0.3819, 0.4267

Complementary

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



39.5020, 0.2129, 0.2865



14.9744, 0.6294, 0.3384

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.



39.5020, 0.4175, 0.3973



39.5020, 0.2129, 0.2865



39.5020, 0.3968, 0.3117

Square

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



39.5020, 0.2129, 0.2865



39.5020, 0.2879, 0.2484



39.5020, 0.4240, 0.3554



39.5020, 0.3295, 0.4287

Rectangle

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



39.5020, 0.2129, 0.2865



39.5020, 0.2309, 0.2417



39.5020, 0.4240, 0.3554



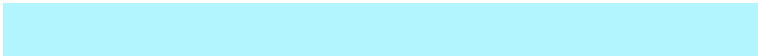
39.5020, 0.3964, 0.4192

Sweetspot

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



39.5058, 0.2129, 0.2865



82.0189, 0.2681, 0.3179



47.6536, 0.2978, 0.5922



17.1106, 0.2624, 0.3162



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.



39.5058, 0.2129, 0.2865



59.1975, 0.2128, 0.2860



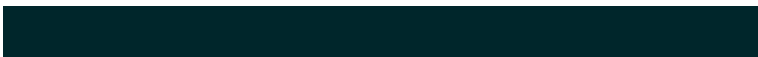
10.7851, 0.1666, 0.1198



13.8166, 0.2983, 0.3259



24.2417, 0.2131, 0.2872



1.5413, 0.2153, 0.2951

Inverse Universe

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



17.6480, 0.3575, 0.1743



26.5072, 0.3579, 0.1745



30.4701, 0.5080, 0.4348



12.6033, 0.3158, 0.3090



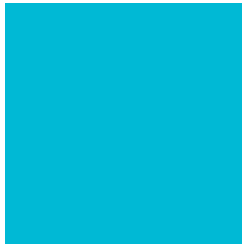
10.7921, 0.3569, 0.1740



0.6589, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 39.5020, 0.2129, 0.2865 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 39.5020, 0.2129, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

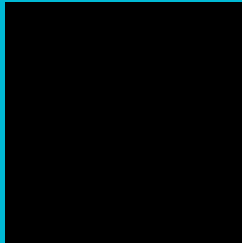
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5020, 0.2129, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 39.5020, 0.2129, 0.2865.

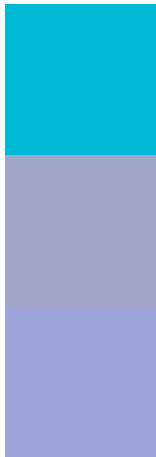


This preview shows how white text looks on a background with the Yxy color 39.5020, 0.2129, 0.2865.

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

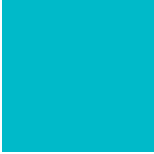
39.5020, 0.2129, 0.2865

Protanopia

39.0196, 0.2810, 0.2829

Deuteranopia

39.1403, 0.2651, 0.2593



Tritanopia

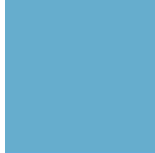
39.3349, 0.2182, 0.3054

Trichromacy



Original Color

39.5020, 0.2129, 0.2865



Protanomaly

37.1197, 0.2385, 0.2816



Deuteranomaly

37.1722, 0.2314, 0.2655



Tritanomaly

39.5256, 0.2165, 0.2995

Monochromacy



Original Color

39.5020, 0.2129, 0.2865



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.9964, 0.2478, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5020, 0.2129, 0.2865 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(0, 185, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 213)  
}
```

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(0, 185, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 213) }
```

Border

The CSS property to change the border of an element to Yxy 39.5020, 0.2129, 0.2865 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(0, 185, 213) }
```

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

```
.border{ border-color:rgb(0, 185, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5020, 0.2129, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 213) }
```

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

```
.background{ background-color: rgb(0, 185,  
213) }
```

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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