

Converting Colors

$Y_{xy}(36.5773, 0.1812, 0.2618)$

Have a look what the booklet for
Yxy(36.5773, 0.1812, 0.2618)
contains.

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Color

Yxy(39.3580, 0.2072, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	00B7E2
RGB	0, 183, 226
RGB Percent	0%, 72%, 89%
CMY	1.0000, 0.2823, 0.1136
CMYK	1.00, 0.19, 0.00, 0.11
HSL	191°, 100%, 44%
HSV	191°, 100%, 89%
XYZ	30.6578, 39.3580, 77.9466
YIQ	133.1850, -122.8710, -25.4230

Conversions

Conversions Part 2

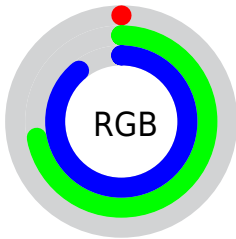
Format	Color
RYB	0, 101, 226
Decimal	47074
CIELab	69.01, -23.52, -32.34
CIELCh	69, 39.991, 233.978
Yxy	39.3580, 0.2072, 0.2660
Android (android.graphics.Color)	4278237154 (0xFF00B7E2)
YUV	133.1850, 45.7578, -116.8032
Hunter-Lab	62.7360, -22.5585, -29.7500

Details

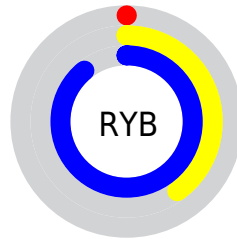
The Yxy color **39.3580, 0.2072, 0.2660** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.9007, 0.6212, 0.3450**, and the grayscale version is **23.3929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0788, 0.2363, 0.3098**, and **18.8675, 0.2032, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **39.3627, 0.2072, 0.2660**, and if you desaturate by 10%, it is **41.3419, 0.2106, 0.2729**.

Distribution



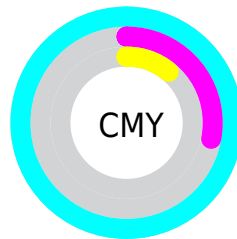
- Red (0%)
- Green (72%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3580, 0.2072, 0.2660 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 39.3580, 0.2072, 0.2660 by changing the saturation by 10% instead.


 39.3580, 0.2072,
0.2660


 39.3580, 0.2072,
0.2660

343.4102, 0.2586,
0.2992


 27.0383, 0.1951,
0.2574


 74.1849, 0.2254,
0.2783

 17.6020, 0.1800,
0.2463


 97.4609, 0.2324,
0.2829


 10.6646, 0.1608,
0.2314


 125.1579, 0.2384,
0.2867

 5.8418, 0.1360,
0.2109

 157.6601, 0.2435,
0.2900

 2.7491, 0.1036,
0.1813

 195.3521, 0.2480,
0.2928

 1.0022, 0.0517,
0.1387

238.6182, 0.2520,

 0.0000, 0.0000,

0.2952

0.0000

287.8427, 0.2555,
0.2973

■ 39.3580, 0.2072,
0.2660

■ 39.3580, 0.2072,
0.2660

■ 39.3627, 0.2072,
0.2660

■ 41.3419, 0.2106,
0.2729

■ 43.5834, 0.2156,
0.2798

■ 46.1544, 0.2225,
0.2867

■ 49.0938, 0.2314,
0.2936

■ 52.4343, 0.2421,
0.3004

■ 56.2046, 0.2543,
0.3069

■ 60.4304, 0.2678,
0.3131

■ 65.1353, 0.2823,
0.3188

■ 70.3411, 0.2973,
0.3241

Harmonies

Analogous

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



39.3580, 0.2177, 0.3139



39.3580, 0.2072, 0.2660



39.3580, 0.2210, 0.2406

Triad

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



39.3580, 0.2072, 0.2660



39.3580, 0.3721, 0.2874



39.3580, 0.3622, 0.4367

Complementary

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



39.3580, 0.2072, 0.2660



17.9007, 0.6212, 0.3450

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.



39.3580, 0.4090, 0.4158



39.3580, 0.2072, 0.2660



39.3580, 0.4173, 0.3301

Square

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



39.3580, 0.2072, 0.2660



39.3580, 0.3120, 0.2547



39.3580, 0.4305, 0.3758



39.3580, 0.3046, 0.4229

Rectangle

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



39.3580, 0.2072, 0.2660



39.3580, 0.2429, 0.2364



39.3580, 0.4305, 0.3758



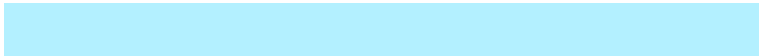
39.3580, 0.3798, 0.4329

Sweetspot

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



39.3627, 0.2072, 0.2660



79.3250, 0.2675, 0.3129



54.5671, 0.2956, 0.5843



16.4592, 0.2617, 0.3104



0.0000, 0.0000, 0.0000



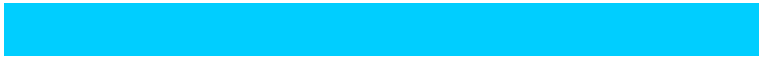
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.3627, 0.2072, 0.2660



51.5908, 0.2071, 0.2656



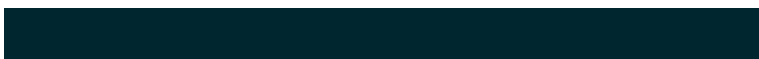
10.0719, 0.1616, 0.1016



15.1057, 0.2982, 0.3244



22.6177, 0.2075, 0.2671



1.6833, 0.2105, 0.2777

Inverse Universe

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



19.5914, 0.3766, 0.1848



25.7393, 0.3770, 0.1851



39.4313, 0.4899, 0.4492



13.8886, 0.3167, 0.3102



11.1913, 0.3756, 0.1843



0.7874, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 39.3580, 0.2072, 0.2660 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 39.3580, 0.2072, 0.2660 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 39.3580, 0.2072, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 39.3580, 0.2072, 0.2660.



This preview shows how white text looks on a background with the Yxy color 39.3580, 0.2072, 0.2660.

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

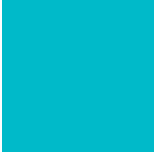
39.3580, 0.2072, 0.2660

Protanopia

38.6829, 0.2670, 0.2649

Deuteranopia

38.8265, 0.2504, 0.2444



Tritanopia

39.3349, 0.2182, 0.3054

Trichromacy



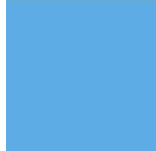
Original Color

39.3580, 0.2072, 0.2660



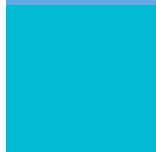
Protanomaly

37.2197, 0.2299, 0.2629



Deuteranomaly

37.5419, 0.2224, 0.2492



Tritanomaly

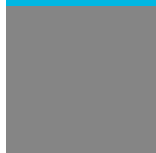
39.3511, 0.2141, 0.2907

Monochromacy



Original Color

39.3580, 0.2072, 0.2660



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.8545, 0.2442, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3580, 0.2072, 0.2660 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, 183, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 226)  
}
```

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, 183, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 226) }
```

Border

The CSS property to change the border of an element to Yxy 39.3580, 0.2072, 0.2660 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, 183, 226) }
```

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

```
.border{ border-color:rgb(0, 183, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 183, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 183, 226); box-shadow:4px 4px 4px 4px rgb(0, 183, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3580, 0.2072, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 226) }
```

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

```
.background{ background-color: rgb(0, 183,  
226) }
```

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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