

Converting Colors

$Y_{xy}(36.4484, 0.1929, 0.3125)$

Have a look what the booklet for
Yxy(36.4484, 0.1929, 0.3125)
contains.

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Color

Yxy(39.0579, 0.2207, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	00BAC3
RGB	0, 186, 195
RGB Percent	0%, 73%, 76%
CMY	1.0000, 0.2706, 0.2353
CMYK	1.00, 0.05, 0.00, 0.24
HSL	183°, 100%, 38%
HSV	183°, 100%, 76%
XYZ	27.4088, 39.0579, 57.7237
YIQ	131.4120, -113.7450, -36.6330

Conversions

Conversions Part 2

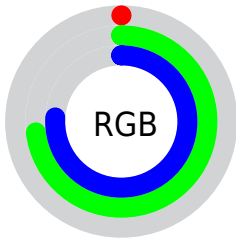
Format	Color
RYB	0, 95, 195
Decimal	47811
CIELab	68.79, -35.15, -15.67
CIELCh	69, 38.489, 204.030
Yxy	39.0579, 0.2207, 0.3145
Android (android.graphics.Color)	4278237891 (0xFF00BAC3)
YUV	131.4120, 31.3489, -115.2483
Hunter-Lab	62.4963, -31.0843, -11.0148

Details

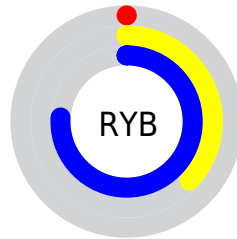
The Yxy color **39.0579, 0.2207, 0.3145** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.7977, 0.6369, 0.3324**, and the grayscale version is **22.7695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9542, 0.2370, 0.3181**, and **18.4256, 0.2193, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **39.0591, 0.2207, 0.3145**, and if you desaturate by 10%, it is **39.5832, 0.2226, 0.3160**.

Distribution



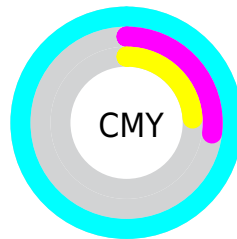
- Red (0%)
- Green (73%)
- Blue (76%)



- Red (0%)
- Yellow (37%)
- Blue (76%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0579, 0.2207, 0.3145 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 39.0579, 0.2207, 0.3145 by changing the saturation by 10% instead.


 39.0579, 0.2207,
0.3145


 39.0579, 0.2207,
0.3145


342.1366, 0.2664,
0.3235


 26.8048, 0.2095,
0.3117


 73.7268, 0.2372,
0.3182

 17.4267, 0.1954,
0.3078


 96.9113, 0.2434,
0.3194


 10.5392, 0.1770,
0.3020


 124.5084, 0.2487,
0.3205

 5.7579, 0.1523,
0.2928

 156.9025, 0.2532,
0.3213

 2.6984, 0.1181,
0.2769

 194.4780, 0.2572,
0.3220

 0.9764, 0.0179,
0.2599

237.6192, 0.2606,

 0.0000, 0.0000,

0.3226

0.0000

286.7106, 0.2637,
0.3231

■ 39.0579, 0.2207,
0.3145

■ 39.0579, 0.2207,
0.3145

■ 39.0591, 0.2207,
0.3145

■ 39.5832, 0.2226,
0.3160

■ 40.2538, 0.2258,
0.3175

■ 41.1223, 0.2309,
0.3191

■ 42.2150, 0.2379,
0.3206

■ 43.5543, 0.2467,
0.3222

■ 45.1597, 0.2574,
0.3237

■ 47.0489, 0.2695,
0.3251

■ 49.2379, 0.2830,
0.3265

■ 51.7416, 0.2975,
0.3278

Harmonies

Analogous

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



39.0579, 0.2541, 0.3726



39.0579, 0.2207, 0.3145



39.0579, 0.2105, 0.2682

Triad

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



39.0579, 0.2207, 0.3145



39.0579, 0.3122, 0.2570



39.0579, 0.4058, 0.4132

Complementary

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



39.0579, 0.2207, 0.3145



11.7977, 0.6369, 0.3324

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.



39.0579, 0.4264, 0.3747



39.0579, 0.2207, 0.3145



39.0579, 0.3701, 0.2888

Square

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



39.0579, 0.2207, 0.3145



39.0579, 0.2594, 0.2406



39.0579, 0.4136, 0.3304



39.0579, 0.3607, 0.4328

Rectangle

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



39.0579, 0.2207, 0.3145



39.0579, 0.2169, 0.2492



39.0579, 0.4136, 0.3304



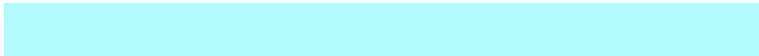
39.0579, 0.4160, 0.4017

Sweetspot

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



39.0593, 0.2207, 0.3145



84.0943, 0.2689, 0.3251



39.0448, 0.2995, 0.5980



18.0855, 0.2635, 0.3244



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.



39.0593, 0.2207, 0.3145



69.8499, 0.2206, 0.3143



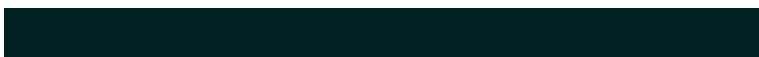
11.4231, 0.1740, 0.1462



11.3462, 0.2984, 0.3279



25.4211, 0.2208, 0.3147



1.1233, 0.2217, 0.3181

Inverse Universe

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



15.1476, 0.3329, 0.1607



27.1186, 0.3330, 0.1608



21.5036, 0.5314, 0.4162



10.2392, 0.3145, 0.3073



9.8485, 0.3327, 0.1606



0.4280, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 39.0579, 0.2207, 0.3145 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 39.0579, 0.2207, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

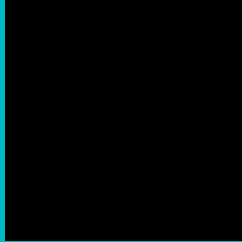
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

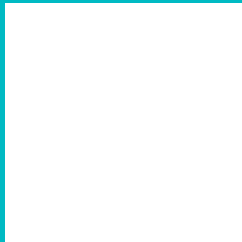
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0579, 0.2207, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 39.0579, 0.2207, 0.3145.



This preview shows how white text looks on a background with the Yxy color 39.0579, 0.2207, 0.3145.

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

39.0579, 0.2207, 0.3145

Protanopia

38.6492, 0.2984, 0.3068

Deuteranopia

38.4715, 0.2850, 0.2793



Tritanopia

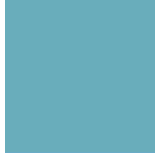
39.0502, 0.2200, 0.3054

Trichromacy



Original Color

39.0579, 0.2207, 0.3145



Protanomaly

36.4783, 0.2505, 0.3073



Deuteranomaly

36.2672, 0.2441, 0.2883



Tritanomaly

38.8767, 0.2200, 0.3083

Monochromacy



Original Color

39.0579, 0.2207, 0.3145



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.3053, 0.2516, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0579, 0.2207, 0.3145 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, 186, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 195)  
}
```

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, 186, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 195) }
```

Border

The CSS property to change the border of an element to Yxy 39.0579, 0.2207, 0.3145 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, 186, 195) }
```

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

```
.border{ border-color:rgb(0, 186, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 186, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 186, 195); box-shadow:4px 4px 4px 4px rgb(0, 186, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0579, 0.2207, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 195) }
```

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

```
.background{ background-color: rgb(0, 186,  
195) }
```

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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