

Converting Colors

$Yxy(38.1426, 0.2002, 0.3088)$

Have a look what the booklet for
Yxy(38.1426, 0.2002, 0.3088)
contains.

Yxy(40.1366, 0.2195, 0.3101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.1366, 0.2195, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	00BCC8
RGB	0, 188, 200
RGB Percent	0%, 74%, 78%
CMY	0.9986, 0.2627, 0.2157
CMYK	1.00, 0.06, 0.00, 0.22
HSL	184°, 100%, 39%
HSV	184°, 100%, 78%
XYZ	28.4101, 40.1366, 60.8844
YIQ	133.1560, -115.9000, -36.1240

Conversions

Conversions Part 2

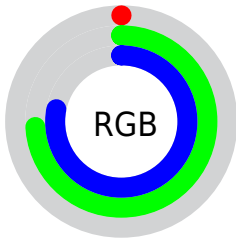
Format	Color
RYB	0, 97, 200
Decimal	48328
CIELab	69.57, -34.51, -17.24
CIELCh	70, 38.580, 206.545
Yxy	40.1366, 0.2195, 0.3101
Android (android.graphics.Color)	4278238408 (0xFF00BCC8)
YUV	133.1560, 32.9541, -116.7778
Hunter-Lab	63.3535, -30.8222, -12.6319

Details

The Yxy color **40.1366, 0.2195, 0.3101** 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 **12.5498, 0.6358, 0.3331**, and the grayscale version is **23.4652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4084, 0.2366, 0.3170**, and **19.1255, 0.2177, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **40.1265, 0.2195, 0.3101**, and if you desaturate by 10%, it is **40.8035, 0.2215, 0.3121**.

Distribution



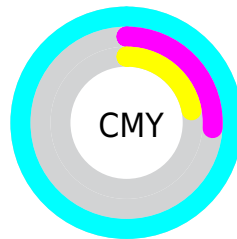
- Red (0%)
- Green (74%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1366, 0.2195, 0.3101 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 40.1366, 0.2195, 0.3101 by changing the saturation by 10% instead.


 40.1366, 0.2195,
0.3101


 40.1366, 0.2195,
0.3101


346.6990, 0.2655,
0.3213


 27.6451, 0.2083,
0.3067


 75.3715, 0.2360,
0.3146

 18.0583, 0.1943,
0.3021


 98.8836, 0.2423,
0.3162


 10.9918, 0.1761,
0.2954


 126.8381, 0.2476,
0.3174

 6.0613, 0.1518,
0.2852

 159.6192, 0.2522,
0.3185

 2.8824, 0.1185,
0.2680

 197.6115, 0.2562,
0.3194

 1.0707, 0.0375,
0.2448

241.1993, 0.2597,

 0.0000, 0.0000,

0.3201

0.0000

290.7670, 0.2628,
0.3208

■ 40.1366, 0.2195,
0.3101

■ 40.1366, 0.2195,
0.3101

■ 40.1265, 0.2195,
0.3101

■ 40.8035, 0.2215,
0.3121

■ 41.6288, 0.2249,
0.3141

■ 42.6661, 0.2302,
0.3161

■ 43.9434, 0.2374,
0.3182

■ 45.4844, 0.2464,
0.3202

■ 47.3099, 0.2572,
0.3221

■ 49.4386, 0.2696,
0.3240

■ 51.8877, 0.2832,
0.3258

■ 54.6730, 0.2977,
0.3275

Harmonies

Analogous

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



40.1366, 0.2509, 0.3675



40.1366, 0.2195, 0.3101



40.1366, 0.2113, 0.2657

Triad

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



40.1366, 0.2195, 0.3101



40.1366, 0.3171, 0.2596



40.1366, 0.4022, 0.4153

Complementary

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



40.1366, 0.2195, 0.3101



12.5498, 0.6358, 0.3331

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.



40.1366, 0.4252, 0.3781



40.1366, 0.2195, 0.3101



40.1366, 0.3742, 0.2923

Square

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



40.1366, 0.2195, 0.3101



40.1366, 0.2636, 0.2418



40.1366, 0.4153, 0.3341



40.1366, 0.3560, 0.4324

Rectangle

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



40.1366, 0.2195, 0.3101



40.1366, 0.2190, 0.2480



40.1366, 0.4153, 0.3341



40.1366, 0.4131, 0.4044

Sweetspot

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



40.1381, 0.2195, 0.3101



85.3683, 0.2688, 0.3239



41.3274, 0.2992, 0.5970



17.9238, 0.2634, 0.3231



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.



40.1381, 0.2195, 0.3101



69.3565, 0.2194, 0.3098



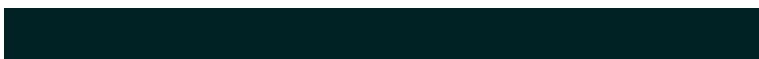
11.5166, 0.1725, 0.1409



11.9542, 0.2984, 0.3276



25.5652, 0.2195, 0.3103



1.2444, 0.2207, 0.3145

Inverse Universe

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



15.9162, 0.3366, 0.1629



27.5327, 0.3369, 0.1630



23.4636, 0.5265, 0.4200



10.8052, 0.3147, 0.3076



10.1208, 0.3364, 0.1627



0.4826, 0.3329, 0.1607

Previews

White Background



This preview shows how the Yxy color 40.1366, 0.2195, 0.3101 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 40.1366, 0.2195, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

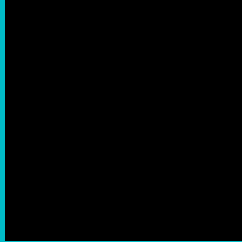
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1366, 0.2195, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 40.1366, 0.2195, 0.3101.



This preview shows how white text looks on a background with the Yxy color 40.1366, 0.2195, 0.3101.

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

40.1366, 0.2195, 0.3101

Protanopia

39.7001, 0.2953, 0.3030

Deuteranopia

39.5335, 0.2822, 0.2761



Tritanopia

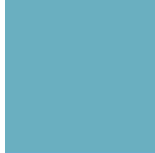
40.3974, 0.2194, 0.3057

Trichromacy



Original Color

40.1366, 0.2195, 0.3101



Protanomaly

37.5299, 0.2487, 0.3031



Deuteranomaly

37.2631, 0.2418, 0.2846



Tritanomaly

40.3019, 0.2193, 0.3071

Monochromacy



Original Color

40.1366, 0.2195, 0.3101



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.1481, 0.2515, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1366, 0.2195, 0.3101 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, 188, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 200)  
}
```

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, 188, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.1366, 0.2195, 0.3101 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, 188, 200) }
```

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

```
.border{ border-color:rgb(0, 188, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1366, 0.2195, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 200) }
```

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

```
.background{ background-color: rgb(0, 188,  
200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor