

Converting Colors

$Yxy(35.0366, 0.1618, 0.3150)$

Have a look what the booklet for
Yxy(35.0366, 0.1618, 0.3150)
contains.

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Color

Yxy(40.3807, 0.2216, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	00BDC4
RGB	0, 189, 196
RGB Percent	0%, 74%, 77%
CMY	1.0000, 0.2588, 0.2314
CMYK	1.00, 0.04, 0.00, 0.23
HSL	182°, 100%, 38%
HSV	182°, 100%, 77%
XYZ	28.1572, 40.3807, 58.5253
YIQ	133.2870, -114.8910, -37.8910

Conversions

Conversions Part 2

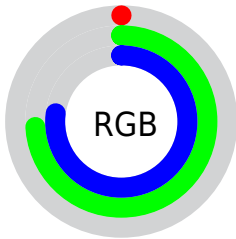
Format	Color
RYB	0, 96, 196
Decimal	48580
CIELab	69.74, -36.25, -14.79
CIELCh	70, 39.154, 202.189
Yxy	40.3807, 0.2216, 0.3178
Android (android.graphics.Color)	4278238660 (0xFF00BDC4)
YUV	133.2870, 30.9175, -116.8927
Hunter-Lab	63.5458, -32.1116, -10.1237

Details

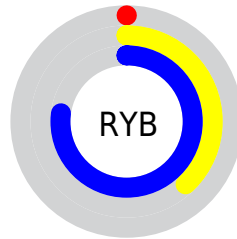
The Yxy color **40.3807, 0.2216, 0.3178** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.8853, 0.6377, 0.3319**, and the grayscale version is **23.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8869, 0.2377, 0.3205**, and **19.2809, 0.2205, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **40.3838, 0.2216, 0.3178**, and if you desaturate by 10%, it is **40.8293, 0.2234, 0.3190**.

Distribution



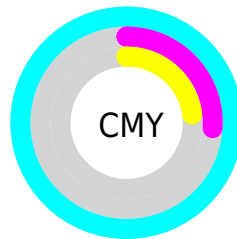
- Red (0%)
- Green (74%)
- Blue (77%)



- Red (0%)
- Yellow (38%)
- Blue (77%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3807, 0.2216, 0.3178 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 40.3807, 0.2216, 0.3178 by changing the saturation by 10% instead.


 40.3807, 0.2216,
0.3178


 40.3807, 0.2216,
0.3178


347.7256, 0.2667,
0.3250

 27.8355, 0.2106,
0.3155


 75.7429, 0.2378,
0.3208


 18.2017, 0.1968,
0.3122


 99.3286, 0.2439,
0.3218

 11.0949, 0.1788,
0.3073


 127.3634, 0.2491,
0.3226

 6.1307, 0.1547,
0.2994

 160.2315, 0.2536,
0.3233

 2.9247, 0.1214,
0.2857

 198.3174, 0.2575,
0.3239

 1.0926, 0.0345,
0.2697

242.0054, 0.2610,

 0.0000, 0.0000,

0.3243

0.0000

291.6800, 0.2640,
0.3247

■ 40.3807, 0.2216,
0.3178

■ 40.3807, 0.2216,
0.3178

■ 40.3838, 0.2216,
0.3178

■ 40.8293, 0.2234,
0.3190

■ 41.4223, 0.2265,
0.3201

■ 42.2144, 0.2314,
0.3213

■ 43.2325, 0.2383,
0.3225

■ 44.4991, 0.2470,
0.3237

■ 46.0340, 0.2575,
0.3249

■ 47.8550, 0.2696,
0.3260

■ 49.9785, 0.2830,
0.3271

■ 52.4194, 0.2975,
0.3281

Harmonies

Analogous

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



40.3807, 0.2565, 0.3764



40.3807, 0.2216, 0.3178



40.3807, 0.2099, 0.2701

Triad

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



40.3807, 0.2216, 0.3178



40.3807, 0.3086, 0.2551



40.3807, 0.4084, 0.4117

Complementary

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



40.3807, 0.2216, 0.3178



11.8853, 0.6377, 0.3319

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.



40.3807, 0.4273, 0.3723



40.3807, 0.2216, 0.3178



40.3807, 0.3671, 0.2863

Square

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



40.3807, 0.2216, 0.3178



40.3807, 0.2563, 0.2397



40.3807, 0.4123, 0.3276



40.3807, 0.3642, 0.4331

Rectangle

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



40.3807, 0.2216, 0.3178



40.3807, 0.2153, 0.2501



40.3807, 0.4123, 0.3276



40.3807, 0.4181, 0.3998

Sweetspot

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



40.3838, 0.2216, 0.3178



86.5390, 0.2690, 0.3259



39.4876, 0.2995, 0.5980



18.2088, 0.2637, 0.3255



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.



40.3838, 0.2216, 0.3178



73.0844, 0.2216, 0.3176



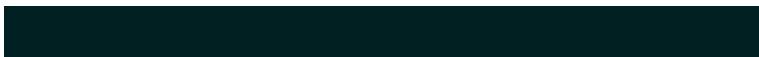
11.5459, 0.1739, 0.1461



11.3650, 0.2984, 0.3281



25.9807, 0.2217, 0.3180



1.1421, 0.2224, 0.3205

Inverse Universe

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



15.4083, 0.3301, 0.1592



27.9091, 0.3302, 0.1593



21.7406, 0.5315, 0.4162



10.2411, 0.3143, 0.3071



9.9050, 0.3299, 0.1591



0.4299, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 40.3807, 0.2216, 0.3178 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 40.3807, 0.2216, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

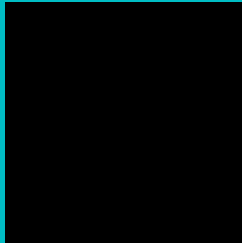
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3807, 0.2216, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 40.3807, 0.2216, 0.3178.

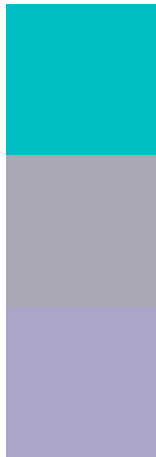


This preview shows how white text looks on a background with the Yxy color 40.3807, 0.2216, 0.3178.

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

40.3807, 0.2216, 0.3178

Protanopia

39.7490, 0.3003, 0.3084

Deuteranopia

39.6734, 0.2877, 0.2813



Tritanopia

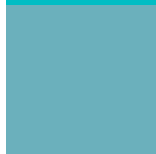
40.4978, 0.2204, 0.3057

Trichromacy



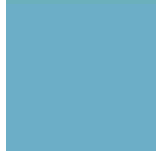
Original Color

40.3807, 0.2216, 0.3178



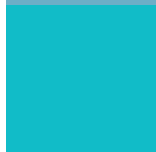
Protanomaly

37.8073, 0.2519, 0.3106



Deuteranomaly

37.5838, 0.2455, 0.2917



Tritanomaly

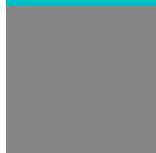
40.2557, 0.2206, 0.3101

Monochromacy



Original Color

40.3807, 0.2216, 0.3178



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.1141, 0.2522, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3807, 0.2216, 0.3178 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, 189, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 196)  
}
```

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, 189, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 196) }
```

Border

The CSS property to change the border of an element to Yxy 40.3807, 0.2216, 0.3178 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, 189, 196) }
```

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

```
.border{ border-color:rgb(0, 189, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3807, 0.2216, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 196) }
```

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

```
.background{ background-color: rgb(0, 189,  
196) }
```

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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