

Converting Colors

$Y_{xy}(40.7494, 0.2284, 0.3423)$

Have a look what the booklet for
Yxy(40.7494, 0.2284, 0.3423)
contains.

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Color

Yxy(40.6805, 0.2282, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	00BFB7
RGB	0, 191, 183
RGB Percent	0%, 75%, 72%
CMY	1.0000, 0.2510, 0.2823
CMYK	1.00, 0.00, 0.04, 0.25
HSL	177°, 100%, 37%
HSV	177°, 100%, 75%
XYZ	27.1759, 40.6805, 51.2317
YIQ	132.9790, -111.2680, -42.9800

Conversions

Conversions Part 2

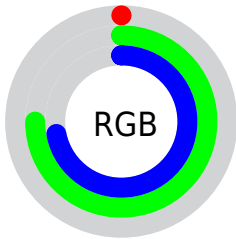
Format	Color
RYB	0, 98, 191
Decimal	49079
CIELab	69.95, -41.08, -7.36
CIELCh	70, 41.739, 190.163
Yxy	40.6805, 0.2282, 0.3416
Android (android.graphics.Color)	4278239159 (0xFF00BFB7)
YUV	132.9790, 24.6604, -116.6226
Hunter-Lab	63.7813, -35.5620, -2.9773

Details

The Yxy color **40.6805, 0.2282, 0.3416** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0948, 0.6359, 0.3276**, and the grayscale version is **23.3888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1916, 0.2435, 0.3397**, and **19.5030, 0.2289, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **40.6846, 0.2282, 0.3416**, and if you desaturate by 10%, it is **40.8574, 0.2293, 0.3403**.

Distribution



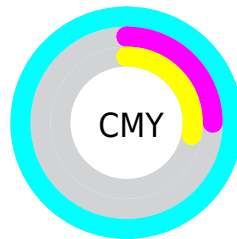
- Red (0%)
- Green (75%)
- Blue (72%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6805, 0.2282, 0.3416 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 40.6805, 0.2282, 0.3416 by changing the saturation by 10% instead.


 40.6805, 0.2282,
0.3416


 40.6805, 0.2282,
0.3416


348.9835, 0.2704,
0.3362

 28.0695, 0.2178,
0.3426


 76.1986, 0.2435,
0.3399


 18.3781, 0.2045,
0.3437

 99.8746, 0.2492,
0.3392


 11.2218, 0.1871,
0.3448


 128.0077, 0.2541,
0.3385

 6.2162, 0.1635,
0.3454

 160.9822, 0.2583,
0.3380

 2.9770, 0.1300,
0.3446

 199.1827, 0.2619,
0.3374

 1.1197, 0.0143,
0.3624

242.9935, 0.2651,

 0.0000, 0.0000,

0.3370

0.0000

292.7989, 0.2679,
0.3366

■ 40.6805, 0.2282,
0.3416

■ 40.6805, 0.2282,
0.3416

■ 40.6846, 0.2282,
0.3416

■ 40.8574, 0.2293,
0.3403

■ 41.1674, 0.2318,
0.3389

■ 41.6639, 0.2361,
0.3375

■ 42.3721, 0.2422,
0.3362

■ 43.3131, 0.2503,
0.3348

■ 44.5056, 0.2601,
0.3335

■ 45.9661, 0.2715,
0.3323

■ 47.7101, 0.2843,
0.3311

■ 49.7516, 0.2981,
0.3300

Harmonies

Analogous

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



40.6805, 0.2733, 0.4025



40.6805, 0.2282, 0.3416



40.6805, 0.2060, 0.2839

Triad

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



40.6805, 0.2282, 0.3416



40.6805, 0.2842, 0.2423



40.6805, 0.4261, 0.4006

Complementary

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



40.6805, 0.2282, 0.3416



11.0948, 0.6359, 0.3276

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.



40.6805, 0.4327, 0.3553



40.6805, 0.2282, 0.3416



40.6805, 0.3459, 0.2690

Square

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



40.6805, 0.2282, 0.3416



40.6805, 0.2357, 0.2338



40.6805, 0.4025, 0.3089



40.6805, 0.3881, 0.4337

Rectangle

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



40.6805, 0.2282, 0.3416



40.6805, 0.2051, 0.2566



40.6805, 0.4025, 0.3089



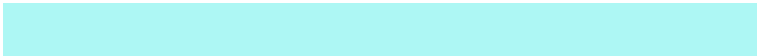
40.6805, 0.4323, 0.3862

Sweetspot

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



40.6846, 0.2282, 0.3416



82.1833, 0.2709, 0.3323



37.3263, 0.3010, 0.5992



17.7905, 0.2659, 0.3328



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.6846, 0.2282, 0.3416



72.8509, 0.2283, 0.3418



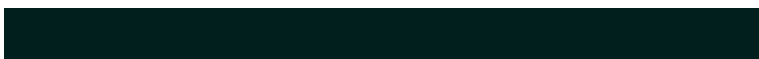
13.8760, 0.1818, 0.1744



10.8025, 0.2990, 0.3299



26.7382, 0.2282, 0.3414



1.0495, 0.2273, 0.3382

Inverse Universe

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



11.0948, 0.6359, 0.3276



19.8605, 0.6370, 0.3283



17.7254, 0.5557, 0.3970



9.5427, 0.3282, 0.3281



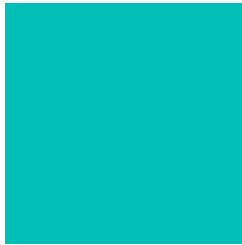
7.2937, 0.6348, 0.3270



0.2879, 0.6149, 0.3161

Previews

White Background



This preview shows how the Yxy color 40.6805, 0.2282, 0.3416 looks on a white background.

Color Contrast Check

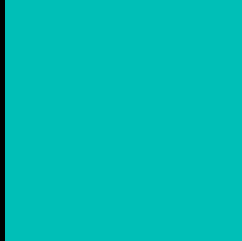
Large Text (above 18pt) WCAG AA × Fail

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 40.6805, 0.2282, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

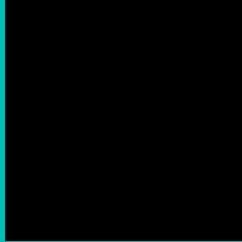
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

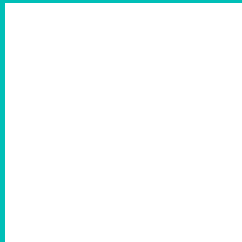
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6805, 0.2282, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 40.6805, 0.2282, 0.3416.

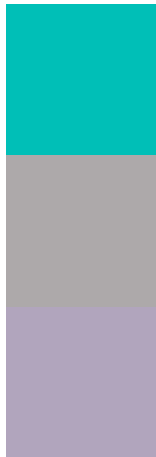


This preview shows how white text looks on a background with the Yxy color 40.6805, 0.2282, 0.3416.

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

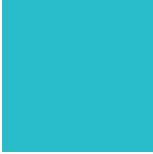
40.6805, 0.2282, 0.3416

Protanopia

40.1625, 0.3155, 0.3276

Deuteranopia

39.9315, 0.3033, 0.2971



Tritanopia

40.7497, 0.2228, 0.3059

Trichromacy



Original Color

40.6805, 0.2282, 0.3416



Protanomaly

37.8544, 0.2621, 0.3320



Deuteranomaly

37.3707, 0.2557, 0.3091



Tritanomaly

40.6003, 0.2238, 0.3178

Monochromacy



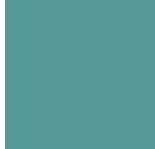
Original Color

40.6805, 0.2282, 0.3416



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.2769, 0.2560, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6805, 0.2282, 0.3416 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, 191, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 183)  
}
```

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, 191, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 183) }
```

Border

The CSS property to change the border of an element to Yxy 40.6805, 0.2282, 0.3416 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, 191, 183) }
```

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

```
.border{ border-color:rgb(0, 191, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6805, 0.2282, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 183) }
```

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

```
.background{ background-color: rgb(0, 191,  
183) }
```

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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