

Converting Colors

$Y_{xy}(40.8587, 0.2276, 0.3393)$

Have a look what the booklet for
Yxy(40.8587, 0.2276, 0.3393)
contains.

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Color

Yxy(40.7644, 0.2273, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	00BFB9
RGB	0, 191, 185
RGB Percent	0%, 75%, 73%
CMY	1.0000, 0.2509, 0.2746
CMYK	1.00, 0.00, 0.03, 0.25
HSL	178°, 100%, 37%
HSV	178°, 100%, 75%
XYZ	27.3811, 40.7644, 52.3167
YIQ	133.2070, -111.9100, -42.3580

Conversions

Conversions Part 2

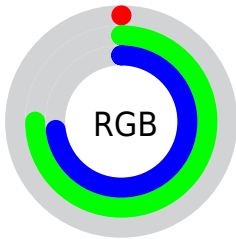
Format	Color
RYB	0, 97, 191
Decimal	49081
CIELab	70.01, -40.51, -8.35
CIELCh	70, 41.364, 191.651
Yxy	40.7644, 0.2273, 0.3384
Android (android.graphics.Color)	4278239161 (0xFF00BFB9)
YUV	133.2070, 25.5339, -116.8225
Hunter-Lab	63.8470, -35.1818, -3.8898

Details

The Yxy color **40.7644, 0.2273, 0.3384** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0913, 0.6369, 0.3282**, and the grayscale version is **23.4728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3105, 0.2427, 0.3372**, and **19.5573, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **40.7696, 0.2273, 0.3384**, and if you desaturate by 10%, it is **40.9345, 0.2285, 0.3374**.

Distribution



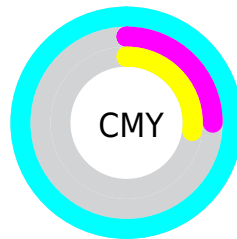
- Red (0%)
- Green (75%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7644, 0.2273, 0.3384 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 40.7644, 0.2273, 0.3384 by changing the saturation by 10% instead.


 40.7644, 0.2273,
0.3384

 40.7644, 0.2273,
0.3384


349.3350, 0.2699,
0.3347


 28.1350, 0.2168,
0.3390


 76.3261, 0.2427,
0.3373


 18.4275, 0.2035,
0.3394


 100.0273, 0.2485,
0.3368


 11.2573, 0.1860,
0.3396


 128.1878, 0.2534,
0.3364

 6.2402, 0.1624,
0.3391

 161.1921, 0.2576,
0.3360

 2.9917, 0.1290,
0.3363

 199.4246, 0.2613,
0.3356

 1.1274, 0.0199,
0.3479

243.2696, 0.2645,

 0.0012, 0.0000,

0.3353

0.0020

293.1116, 0.2673,
0.3350

■ 0.0000, 0.0000,
0.0000

■ 40.7644, 0.2273,
0.3384

■ 40.7644, 0.2273,
0.3384

■ 40.7696, 0.2273,
0.3384

■ 40.9345, 0.2285,
0.3374

■ 41.2366, 0.2310,
0.3364

■ 41.7252, 0.2354,
0.3354

■ 42.4254, 0.2416,
0.3343

■ 43.3583, 0.2497,
0.3333

■ 44.5425, 0.2596,
0.3324

■ 45.9948, 0.2711,
0.3314

■ 47.7305, 0.2840,
0.3306

■ 49.7636, 0.2980,
0.3297

Harmonies

Analogous

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



40.7644, 0.2711, 0.3991



40.7644, 0.2273, 0.3384



40.7644, 0.2065, 0.2820

Triad

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



40.7644, 0.2273, 0.3384



40.7644, 0.2874, 0.2439



40.7644, 0.4239, 0.4021

Complementary

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



40.7644, 0.2273, 0.3384



11.0913, 0.6369, 0.3282

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.



40.7644, 0.4321, 0.3575



40.7644, 0.2273, 0.3384



40.7644, 0.3487, 0.2712

Square

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



40.7644, 0.2273, 0.3384



40.7644, 0.2384, 0.2346



40.7644, 0.4039, 0.3113



40.7644, 0.3850, 0.4337

Rectangle

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



40.7644, 0.2273, 0.3384



40.7644, 0.2064, 0.2557



40.7644, 0.4039, 0.3113



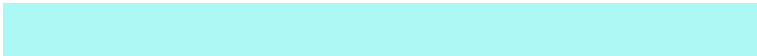
40.7644, 0.4305, 0.3880

Sweetspot

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



40.7696, 0.2273, 0.3384



82.2297, 0.2705, 0.3315



37.3084, 0.3007, 0.5995



17.8021, 0.2655, 0.3319



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.



40.7696, 0.2273, 0.3384



73.0002, 0.2274, 0.3386



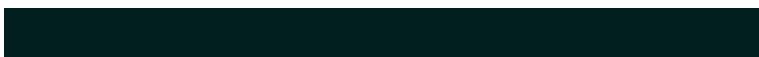
13.2401, 0.1802, 0.1687



10.8042, 0.2989, 0.3297



26.7915, 0.2273, 0.3383



1.0511, 0.2266, 0.3358

Inverse Universe

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



11.0913, 0.6369, 0.3282



19.8549, 0.6378, 0.3287



18.2460, 0.5508, 0.4008



9.5411, 0.3284, 0.3283



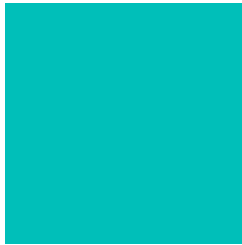
7.2902, 0.6361, 0.3278



0.2872, 0.6209, 0.3194

Previews

White Background



This preview shows how the Yxy color 40.7644, 0.2273, 0.3384 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 40.7644, 0.2273, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

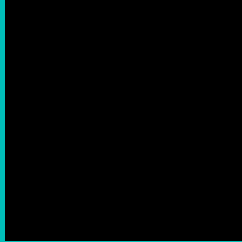
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

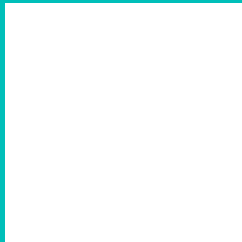
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7644, 0.2273, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 40.7644, 0.2273, 0.3384.

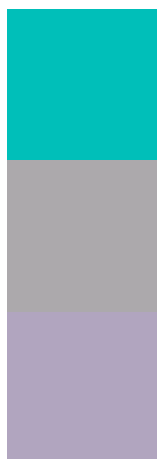


This preview shows how white text looks on a background with the Yxy color 40.7644, 0.2273, 0.3384.

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

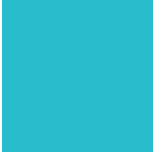
40.7644, 0.2273, 0.3384

Protanopia

40.1251, 0.3129, 0.3249

Deuteranopia

40.0190, 0.3017, 0.2946



Tritanopia

40.7772, 0.2221, 0.3044

Trichromacy



Original Color

40.7644, 0.2273, 0.3384



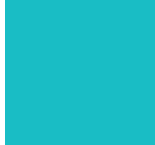
Protanomaly

37.8698, 0.2602, 0.3288



Deuteranomaly

37.4569, 0.2545, 0.3062



Tritanomaly

40.6331, 0.2232, 0.3163

Monochromacy



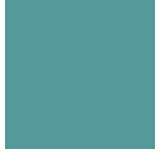
Original Color

40.7644, 0.2273, 0.3384



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.3095, 0.2553, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7644, 0.2273, 0.3384 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 185) }
```

Border

The CSS property to change the border of an element to Yxy 40.7644, 0.2273, 0.3384 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, 185) }
```

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

```
.border{ border-color:rgb(0, 191, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7644, 0.2273, 0.3384 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, 185) }
```

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

```
.background{ background-color: rgb(0, 191,  
185) }
```

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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