

Converting Colors

$Y_{xy}(40.9754, 0.2264, 0.3349)$

Have a look what the booklet for
Yxy(40.9754, 0.2264, 0.3349)
contains.

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Color

Yxy(40.8559, 0.2265, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	01BFBB
RGB	1, 191, 187
RGB Percent	0%, 75%, 73%
CMY	0.9954, 0.2510, 0.2666
CMYK	0.99, 0.00, 0.02, 0.25
HSL	179°, 99%, 38%
HSV	179°, 99%, 75%
XYZ	27.6152, 40.8559, 53.4504
YIQ	133.7340, -111.9560, -41.5240

Conversions

Conversions Part 2

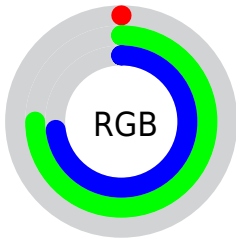
Format	Color
RYB	1, 97, 191
Decimal	114619
CIELab	70.07, -39.85, -9.37
CIELCh	70, 40.936, 193.226
Yxy	40.8559, 0.2265, 0.3351
Android (android.graphics.Color)	4278304699 (0xFF01BFBB)
YUV	133.7340, 26.2601, -116.4077
Hunter-Lab	63.9186, -34.7389, -4.8368

Details

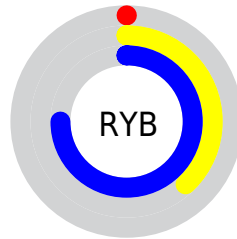
The Yxy color **40.8559, 0.2265, 0.3351** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1133, 0.6369, 0.3288**, and the grayscale version is **23.6913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4306, 0.2419, 0.3348**, and **19.6126, 0.2265, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **40.8487, 0.2264, 0.3351**, and if you desaturate by 10%, it is **41.0187, 0.2278, 0.3344**.

Distribution



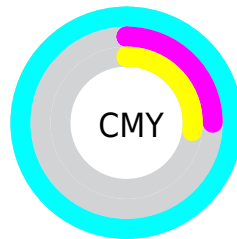
- Red (0%)
- Green (75%)
- Blue (73%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8559, 0.2265, 0.3351 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 40.8559, 0.2265, 0.3351 by changing the saturation by 10% instead.

 40.8559, 0.2265,
0.3351


 40.8559, 0.2265,
0.3351


349.7180, 0.2694,
0.3332

 28.2065, 0.2160,
0.3352


 76.4651, 0.2420,
0.3347

 18.4814, 0.2026,
0.3350


 100.1937, 0.2478,
0.3345


 11.2961, 0.1851,
0.3344


 128.3841, 0.2528,
0.3342

 6.2664, 0.1615,
0.3326

 161.4208, 0.2570,
0.3340

 3.0077, 0.1282,
0.3279

 199.6882, 0.2607,
0.3338

 1.1358, 0.0256,
0.3336

243.5705, 0.2640,

 0.0083, 0.0000,

0.3336

0.0123

293.4524, 0.2668,
0.3334

■ 0.0000, 0.0000,
0.0000

■ 40.8559, 0.2265,
0.3351

■ 40.8559, 0.2265,
0.3351

■ 40.8487, 0.2264,
0.3351

■ 41.0187, 0.2278,
0.3344

■ 41.3231, 0.2305,
0.3338

■ 41.8156, 0.2350,
0.3331

■ 42.5210, 0.2414,
0.3324

■ 43.4602, 0.2497,
0.3318

■ 44.6518, 0.2598,
0.3311

■ 46.1123, 0.2715,
0.3305

■ 47.8569, 0.2846,
0.3300

■ 49.8998, 0.2987,
0.3294

Harmonies

Analogous

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



40.8559, 0.2689, 0.3954



40.8559, 0.2265, 0.3351



40.8559, 0.2071, 0.2802

Triad

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



40.8559, 0.2265, 0.3351



40.8559, 0.2907, 0.2458



40.8559, 0.4214, 0.4035

Complementary

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



40.8559, 0.2265, 0.3351



11.1133, 0.6369, 0.3288

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.



40.8559, 0.4312, 0.3598



40.8559, 0.2265, 0.3351



40.8559, 0.3515, 0.2736

Square

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



40.8559, 0.2265, 0.3351



40.8559, 0.2412, 0.2355



40.8559, 0.4051, 0.3139



40.8559, 0.3817, 0.4336

Rectangle

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



40.8559, 0.2265, 0.3351



40.8559, 0.2079, 0.2549



40.8559, 0.4051, 0.3139



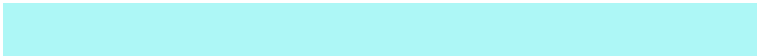
40.8559, 0.4285, 0.3898

Sweetspot

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



40.8574, 0.2265, 0.3351



82.2776, 0.2702, 0.3306



37.3125, 0.3007, 0.5990



17.8140, 0.2651, 0.3309



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.



40.8574, 0.2265, 0.3351



73.1559, 0.2265, 0.3352



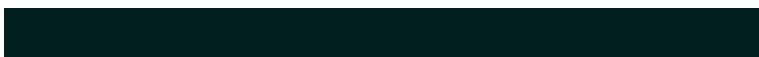
13.3542, 0.1806, 0.1697



10.8060, 0.2988, 0.3294



26.8470, 0.2264, 0.3351



1.0527, 0.2260, 0.3334

Inverse Universe

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



11.1133, 0.6369, 0.3288



19.8492, 0.6385, 0.3291



18.3513, 0.5495, 0.4013



9.5395, 0.3285, 0.3286



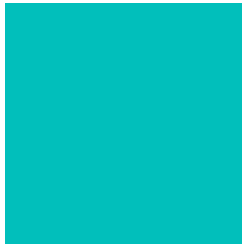
7.2865, 0.6374, 0.3285



0.2865, 0.6271, 0.3228

Previews

White Background



This preview shows how the Yxy color 40.8559, 0.2265, 0.3351 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 40.8559, 0.2265, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

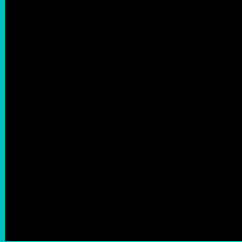
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

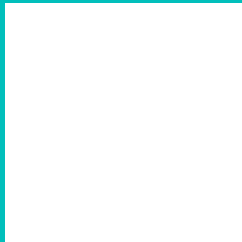
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8559, 0.2265, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 40.8559, 0.2265, 0.3351.

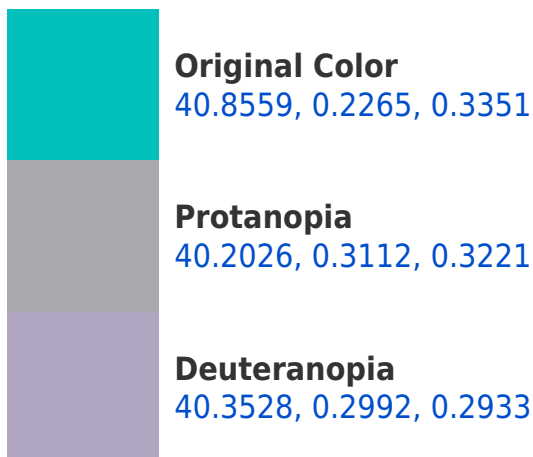


This preview shows how white text looks on a background with the Yxy color 40.8559, 0.2265, 0.3351.

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





Tritanopia

40.7381, 0.2218, 0.3044

Trichromacy



Original Color

40.8559, 0.2265, 0.3351



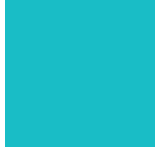
Protanomaly

38.0140, 0.2596, 0.3258



Deuteranomaly

37.8663, 0.2529, 0.3048



Tritanomaly

40.6791, 0.2228, 0.3148

Monochromacy



Original Color

40.8559, 0.2265, 0.3351



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.7210, 0.2555, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8559, 0.2265, 0.3351 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(1, 191, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 187)  
}
```

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(1, 191, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 187) }
```

Border

The CSS property to change the border of an element to Yxy 40.8559, 0.2265, 0.3351 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(1, 191, 187) }
```

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

```
.border{ border-color:rgb(1, 191, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8559, 0.2265, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 187) }
```

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

```
.background{ background-color: rgb(1, 191,  
187) }
```

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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