

Converting Colors

$Y_{xy}(40.3743, 0.2332, 0.3594)$

Have a look what the booklet for
Yxy(40.3743, 0.2332, 0.3594)
contains.

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Color

Yxy(40.2787, 0.2329, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	00BFAD
RGB	0, 191, 173
RGB Percent	0%, 75%, 68%
CMY	0.9996, 0.2510, 0.3216
CMYK	1.00, 0.00, 0.09, 0.25
HSL	174°, 100%, 37%
HSV	174°, 100%, 75%
XYZ	26.1744, 40.2787, 45.9317
YIQ	131.8390, -108.0580, -46.0900

Conversions

Conversions Part 2

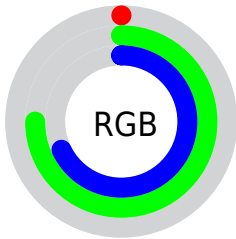
Format	Color
RYB	0, 100, 191
Decimal	49069
CIELab	69.67, -43.96, -2.29
CIELCh	70, 44.017, 182.987
Yxy	40.2787, 0.2329, 0.3584
Android (android.graphics.Color)	4278239149 (0xFF00BFAD)
YUV	131.8390, 20.2924, -115.6228
Hunter-Lab	63.4655, -37.4477, 1.5161

Details

The Yxy color **40.2787, 0.2329, 0.3584** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1226, 0.6296, 0.3242**, and the grayscale version is **22.9792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5029, 0.2478, 0.3534**, and **19.2718, 0.2347, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **40.2793, 0.2329, 0.3584**, and if you desaturate by 10%, it is **40.4902, 0.2336, 0.3552**.

Distribution



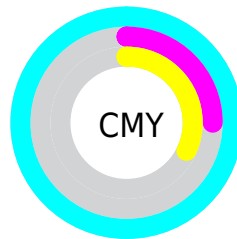
- Red (0%)
- Green (75%)
- Blue (68%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2787, 0.2329, 0.3584 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 40.2787, 0.2329, 0.3584 by changing the saturation by 10% instead.


 40.2787, 0.2329,
0.3584


 40.2787, 0.2329,
0.3584


347.2969, 0.2732,
0.3439


 27.7559, 0.2228,
0.3619


 75.5877, 0.2476,
0.3532

 18.1417, 0.2099,
0.3664


 99.1427, 0.2531,
0.3512

 11.0518, 0.1928,
0.3722


 127.1440, 0.2577,
0.3495

 6.1017, 0.1692,
0.3799

 159.9758, 0.2617,
0.3481

 2.9070, 0.1351,
0.3904

 198.0226, 0.2651,
0.3468

 1.0834, 0.0000,
0.4411

241.6688, 0.2681,

 0.0000, 0.0000,

0.3457

0.0000

291.2987, 0.2708,
0.3447

■ 40.2787, 0.2329,
0.3584

■ 40.2787, 0.2329,
0.3584

■ 40.2793, 0.2329,
0.3584

■ 40.4902, 0.2336,
0.3552

■ 40.8386, 0.2357,
0.3520

■ 41.3745, 0.2396,
0.3488

■ 42.1229, 0.2454,
0.3456

■ 43.1049, 0.2531,
0.3425

■ 44.3392, 0.2625,
0.3394

■ 45.8424, 0.2735,
0.3365

■ 47.6299, 0.2857,
0.3338

■ 49.7157, 0.2989,
0.3313

Harmonies

Analogous

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



40.2787, 0.2849, 0.4197



40.2787, 0.2329, 0.3584



40.2787, 0.2037, 0.2939

Triad

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



40.2787, 0.2329, 0.3584



40.2787, 0.2685, 0.2340



40.2787, 0.4375, 0.3930

Complementary

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



40.2787, 0.2329, 0.3584



11.1226, 0.6296, 0.3242

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.



40.2787, 0.4354, 0.3442



40.2787, 0.2329, 0.3584



40.2787, 0.3316, 0.2577

Square

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



40.2787, 0.2329, 0.3584



40.2787, 0.2227, 0.2300



40.2787, 0.3951, 0.2967



40.2787, 0.4038, 0.4329

Rectangle

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



40.2787, 0.2329, 0.3584



40.2787, 0.1987, 0.2614



40.2787, 0.3951, 0.2967



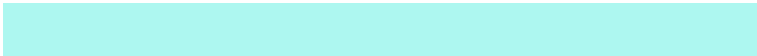
40.2787, 0.4412, 0.3771

Sweetspot

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



40.2802, 0.2329, 0.3584



81.9489, 0.2729, 0.3367



37.4028, 0.3023, 0.5981



17.7320, 0.2681, 0.3379



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.



40.2802, 0.2329, 0.3584



72.1193, 0.2330, 0.3589



15.9415, 0.1867, 0.1921



10.7936, 0.2997, 0.3312



26.4770, 0.2328, 0.3580



1.0417, 0.2307, 0.3504

Inverse Universe

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



11.1226, 0.6296, 0.3242



19.9010, 0.6316, 0.3253



16.3089, 0.5699, 0.3856



9.5506, 0.3274, 0.3269



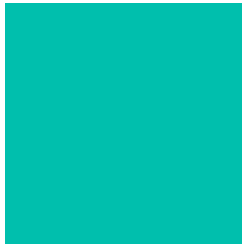
7.3135, 0.6277, 0.3232



0.2915, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 40.2787, 0.2329, 0.3584 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 40.2787, 0.2329, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

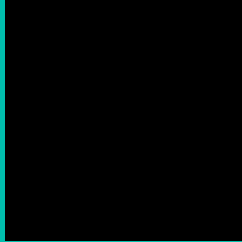
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

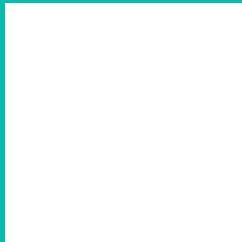
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2787, 0.2329, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 40.2787, 0.2329, 0.3584.

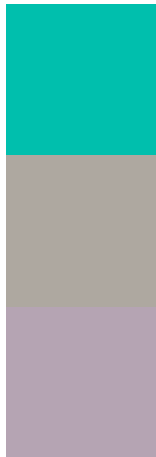


This preview shows how white text looks on a background with the Yxy color 40.2787, 0.2329, 0.3584.

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

40.2787, 0.2329, 0.3584

Protanopia

39.5420, 0.3252, 0.3402

Deuteranopia

39.6293, 0.3155, 0.3090



Tritanopia

40.4333, 0.2243, 0.3058

Trichromacy



Original Color

40.2787, 0.2329, 0.3584



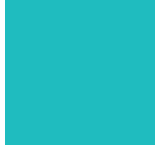
Protanomaly

37.1468, 0.2692, 0.3463



Deuteranomaly

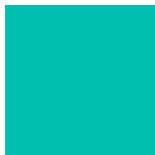
37.0913, 0.2635, 0.3242



Tritanomaly

40.0193, 0.2263, 0.3240

Monochromacy



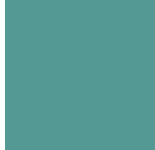
Original Color

40.2787, 0.2329, 0.3584



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.7739, 0.2578, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2787, 0.2329, 0.3584 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 173) }
```

Border

The CSS property to change the border of an element to Yxy 40.2787, 0.2329, 0.3584 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, 173) }
```

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

```
.border{ border-color:rgb(0, 191, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2787, 0.2329, 0.3584 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, 173) }
```

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

```
.background{ background-color: rgb(0, 191,  
173) }
```

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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