

Converting Colors

$Y_{xy}(48.7461, 0.2336, 0.3442)$

Have a look what the booklet for
Yxy(48.7461, 0.2336, 0.3442)
contains.

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Color

Yxy(48.6417, 0.2334, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	2BCEC4
RGB	43, 206, 196
RGB Percent	17%, 81%, 77%
CMY	0.8303, 0.1922, 0.2313
CMYK	0.79, 0.00, 0.05, 0.19
HSL	176°, 65%, 49%
HSV	176°, 79%, 81%
XYZ	33.0412, 48.6417, 59.8820
YIQ	156.1230, -93.9380, -37.6660

Conversions

Conversions Part 2

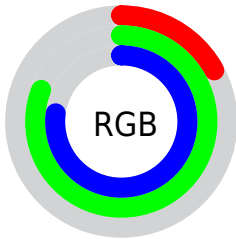
Format	Color
RYB	43, 127, 206
Decimal	2870980
CIELab	75.23, -41.66, -6.57
CIELCh	75, 42.171, 188.965
Yxy	48.6417, 0.2334, 0.3436
Android (android.graphics.Color)	4281061060 (0xFF2BCEC4)
YUV	156.1230, 19.6594, -99.2089
Hunter-Lab	69.7436, -37.4864, -2.0860

Details

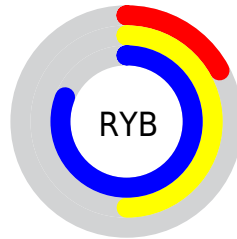
The Yxy color **48.6417, 0.2334, 0.3436** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **15.1278, 0.5739, 0.3219**, and the grayscale version is **33.2826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4634, 0.2448, 0.3311**, and **24.0862, 0.2297, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **48.2450, 0.2310, 0.3456**, and if you desaturate by 10%, it is **49.2675, 0.2377, 0.3415**.

Distribution



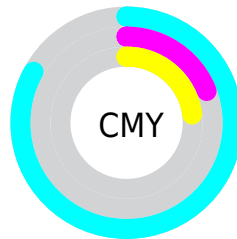
- Red (17%)
- Green (81%)
- Blue (77%)



- Red (17%)
- Yellow (50%)
- Blue (81%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)




- Cyan (83%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6417, 0.2334, 0.3436 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 48.6417, 0.2334, 0.3436 by changing the saturation by 10% instead.


 48.6417, 0.2334,
0.3436


 48.6417, 0.2334,
0.3436


381.3301, 0.2719,
0.3372


 34.3353, 0.2242,
0.3449


 88.1591, 0.2471,
0.3415


 23.1513, 0.2126,
0.3464


 114.1389, 0.2524,
0.3406

 14.7053, 0.1976,
0.3481


 144.7786, 0.2568,
0.3399

 8.6128, 0.1776,
0.3499

 180.4626, 0.2607,
0.3392

 4.4895, 0.1499,
0.3514

 221.5754, 0.2640,
0.3387

 1.9510, 0.1057,
0.3523

268.5013, 0.2670,

 0.5788, 0.0000,

0.3381

0.3458

321.6247, 0.2696,
0.3377

■ 0.0000, 0.0000,
0.0000

■ 48.6417, 0.2334,
0.3436

■ 48.6417, 0.2334,
0.3436

■ 48.2450, 0.2310,
0.3456

■ 49.2675, 0.2377,
0.3415

■ 48.0233, 0.2300,
0.3477

■ 50.1468, 0.2439,
0.3395

■ 48.0041, 0.2300,
0.3479

■ 51.3065, 0.2520,
0.3375

■ 52.7687, 0.2618,
0.3356

■ 54.5536, 0.2732,
0.3337

■ 56.6793, 0.2860,
0.3320

■ 59.1628, 0.2997,
0.3303

■ 62.0197, 0.3142,
0.3289

■ 65.2649, 0.3291,
0.3275

Harmonies

Analogous

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



48.6417, 0.2775, 0.4006



48.6417, 0.2334, 0.3436



48.6417, 0.2110, 0.2882

Triad

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



48.6417, 0.2334, 0.3436



48.6417, 0.2835, 0.2452



48.6417, 0.4219, 0.3963

Complementary

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



48.6417, 0.2334, 0.3436



15.1278, 0.5739, 0.3219

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.



48.6417, 0.4264, 0.3528



48.6417, 0.2334, 0.3436



48.6417, 0.3420, 0.2703

Square

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



48.6417, 0.2334, 0.3436



48.6417, 0.2377, 0.2380



48.6417, 0.3964, 0.3083



48.6417, 0.3868, 0.4280

Rectangle

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



48.6417, 0.2334, 0.3436



48.6417, 0.2094, 0.2614



48.6417, 0.3964, 0.3083



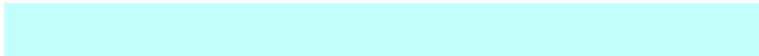
48.6417, 0.4272, 0.3825

Sweetspot

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



48.6435, 0.2334, 0.3436



89.9437, 0.2791, 0.3329



45.1018, 0.3047, 0.5717



18.9950, 0.2746, 0.3335



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.



48.6435, 0.2334, 0.3436



77.9041, 0.2302, 0.3471



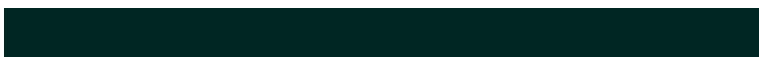
22.4381, 0.1990, 0.2138



12.7147, 0.2992, 0.3304



29.5681, 0.2299, 0.3476



1.5291, 0.2288, 0.3436

Inverse Universe

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



15.1278, 0.5739, 0.3219



21.6234, 0.6276, 0.3263



25.2835, 0.5087, 0.4034



11.2246, 0.3281, 0.3276



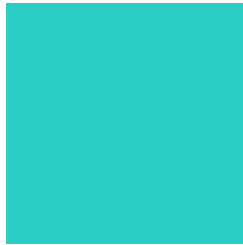
8.1023, 0.6328, 0.3259



0.4220, 0.6090, 0.3128

Previews

White Background



This preview shows how the Yxy color 48.6417, 0.2334, 0.3436 looks on a white background.

Color Contrast Check

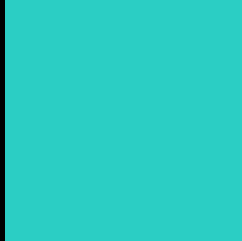
Large Text (above 18pt) WCAG AA × Fail

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 48.6417, 0.2334, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

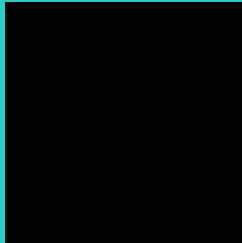
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

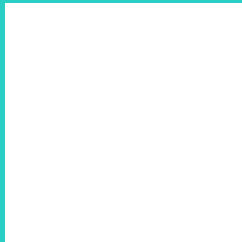
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6417, 0.2334, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 48.6417, 0.2334, 0.3436.

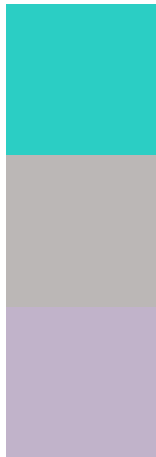


This preview shows how white text looks on a background with the Yxy color 48.6417, 0.2334, 0.3436.

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

48.6417, 0.2334, 0.3436

Protanopia

47.8092, 0.3169, 0.3303

Deuteranopia

47.8419, 0.3064, 0.3006



Tritanopia

48.8184, 0.2262, 0.3062

Trichromacy



Original Color

48.6417, 0.2334, 0.3436



Protanomaly

46.0004, 0.2734, 0.3345



Deuteranomaly

46.0543, 0.2675, 0.3137



Tritanomaly

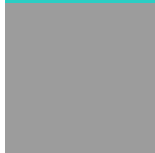
48.7011, 0.2286, 0.3187

Monochromacy



Original Color

48.6417, 0.2334, 0.3436



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.8572, 0.2675, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6417, 0.2334, 0.3436 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(43, 206, 196)` looks like.

```
.text, #text, p{  
    color:rgb(43, 206, 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(43, 206, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 206, 196) }
```

Border

The CSS property to change the border of an element to Yxy 48.6417, 0.2334, 0.3436 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(43, 206, 196) }
```

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

```
.border{ border-color:rgb(43, 206, 196) }
```

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

Here you see how a box with a 4 pixel rgb(43, 206, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 206, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 206, 196);  
box-shadow:4px 4px 4px 4px rgb(43, 206,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6417, 0.2334, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 206, 196) }
```

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

```
.background{ background-color: rgb(43, 206,  
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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