

Converting Colors

$Y_{xy}(43.5475, 0.1738, 0.3065)$

Have a look what the booklet for
Yxy(43.5475, 0.1738, 0.3065)
contains.

Yxy(48.7771, 0.2191, 0.3087)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7771, 0.2191, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	00CDD8
RGB	0, 205, 219
RGB Percent	0%, 80%, 86%
CMY	0.9991, 0.1961, 0.1412
CMYK	1.00, 0.06, 0.00, 0.14
HSL	184°, 100%, 43%
HSV	184°, 100%, 86%
XYZ	34.6196, 48.7771, 74.6114
YIQ	145.3010, -126.6740, -39.1060

Conversions

Conversions Part 2

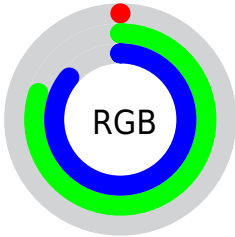
Format	Color
RYB	0, 106, 219
Decimal	52699
CIELab	75.31, -36.51, -18.89
CIELCh	75, 41.106, 207.356
Yxy	48.7771, 0.2191, 0.3087
Android (android.graphics.Color)	4278242779 (0xFF00CDDB)
YUV	145.3010, 36.3336, -127.4290
Hunter-Lab	69.8406, -33.7397, -14.4517

Details

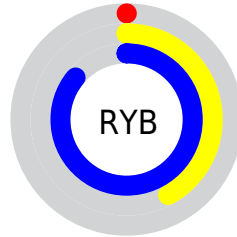
The Yxy color **48.7771, 0.2191, 0.3087** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.3818, 0.6361, 0.3330**, and the grayscale version is **28.3609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **24.4930, 0.2173, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **48.7706, 0.2191, 0.3087**, and if you desaturate by 10%, it is **49.6232, 0.2210, 0.3108**.

Distribution



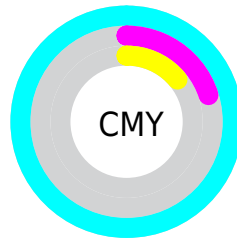
- Red (0%)
- Green (80%)
- Blue (86%)



- Red (0%)
- Yellow (42%)
- Blue (86%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7771, 0.2191, 0.3087 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 48.7771, 0.2191, 0.3087 by changing the saturation by 10% instead.


 48.7771, 0.2191,
0.3087


 48.7771, 0.2191,
0.3087


381.8642, 0.2638,
0.3203

 34.4427, 0.2087,
0.3054


 88.3603, 0.2348,
0.3132


 23.2339, 0.1958,
0.3010

 114.3779, 0.2408,
0.3148

 14.7663, 0.1794,
0.2949

 145.0587, 0.2460,
0.3162

 8.6555, 0.1581,
0.2858

 180.7870, 0.2505,
0.3173

 4.5172, 0.1297,
0.2715

 221.9474, 0.2545,
0.3182

 1.9669, 0.0905,
0.2473

268.9241, 0.2579,

 0.5881, 0.0000,

0.3190

0.2006

322.1015, 0.2610,
0.3197

■ 0.0000, 0.0000,
0.0000

■ 48.7771, 0.2191,
0.3087

■ 48.7771, 0.2191,
0.3087

■ 48.7706, 0.2191,
0.3087

■ 49.6232, 0.2210,
0.3108

■ 50.6671, 0.2244,
0.3130

■ 51.9726, 0.2297,
0.3152

■ 53.5751, 0.2369,
0.3173

■ 55.5043, 0.2460,
0.3195

■ 57.7865, 0.2568,
0.3216

■ 60.4449, 0.2692,
0.3236

■ 63.5011, 0.2829,
0.3256

■ 66.9747, 0.2975,
0.3274

Harmonies

Analogous

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



48.7771, 0.2499, 0.3659



48.7771, 0.2191, 0.3087



48.7771, 0.2116, 0.2649

Triad

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



48.7771, 0.2191, 0.3087



48.7771, 0.3187, 0.2604



48.7771, 0.4011, 0.4160

Complementary

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



48.7771, 0.2191, 0.3087



15.3818, 0.6361, 0.3330

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.



48.7771, 0.4248, 0.3792



48.7771, 0.2191, 0.3087



48.7771, 0.3755, 0.2934

Square

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



48.7771, 0.2191, 0.3087



48.7771, 0.2649, 0.2422



48.7771, 0.4159, 0.3353



48.7771, 0.3545, 0.4322

Rectangle

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



48.7771, 0.2191, 0.3087



48.7771, 0.2196, 0.2477



48.7771, 0.4159, 0.3353



48.7771, 0.4122, 0.4052

Sweetspot

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



48.7789, 0.2191, 0.3087



85.1792, 0.2687, 0.3236



50.6922, 0.2993, 0.5974



17.8778, 0.2633, 0.3227



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.



48.7789, 0.2191, 0.3087



68.7630, 0.2190, 0.3085



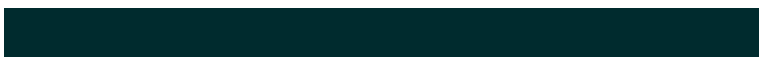
13.9786, 0.1722, 0.1398



14.6793, 0.2982, 0.3274



28.9788, 0.2192, 0.3090



1.9214, 0.2201, 0.3125

Inverse Universe

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



19.4736, 0.3378, 0.1635



27.4728, 0.3380, 0.1636



28.6281, 0.5274, 0.4194



13.2597, 0.3148, 0.3074



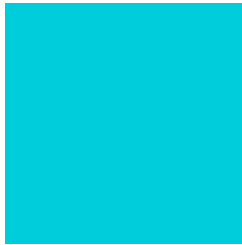
11.5492, 0.3376, 0.1633



0.7527, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 48.7771, 0.2191, 0.3087 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 48.7771, 0.2191, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

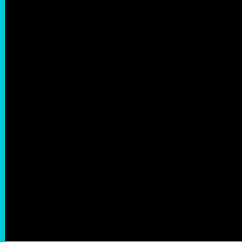
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7771, 0.2191, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 48.7771, 0.2191, 0.3087.



This preview shows how white text looks on a background with the Yxy color 48.7771, 0.2191, 0.3087.

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

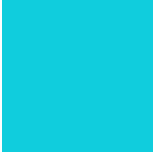
48.7771, 0.2191, 0.3087

Protanopia

48.0985, 0.2944, 0.3012

Deuteranopia

48.0238, 0.2809, 0.2742



Tritanopia

48.9933, 0.2192, 0.3060

Trichromacy



Original Color

48.7771, 0.2191, 0.3087



Protanomaly

45.5596, 0.2477, 0.3023



Deuteranomaly

45.4359, 0.2409, 0.2827



Tritanomaly

48.8945, 0.2192, 0.3074

Monochromacy



Original Color

48.7771, 0.2191, 0.3087



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.8913, 0.2503, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7771, 0.2191, 0.3087 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, 205, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 219)  
}
```

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, 205, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 219) }
```

Border

The CSS property to change the border of an element to Yxy 48.7771, 0.2191, 0.3087 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, 205, 219) }
```

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

```
.border{ border-color:rgb(0, 205, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 205, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 205, 219); box-shadow:4px 4px 4px 4px rgb(0, 205, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7771, 0.2191, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 219) }
```

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

```
.background{ background-color: rgb(0, 205,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor