

Converting Colors

$Y_{xy}(48.5599, 0.2166, 0.2998)$

Have a look what the booklet for
Yxy(48.5599, 0.2166, 0.2998)
contains.

Yxy(48.5675, 0.2168, 0.3004)	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(48.5675, 0.2168, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	00CCE0
RGB	0, 204, 224
RGB Percent	0%, 80%, 88%
CMY	0.9987, 0.2000, 0.1215
CMYK	1.00, 0.09, 0.00, 0.12
HSL	185°, 100%, 44%
HSV	185°, 100%, 88%
XYZ	35.0514, 48.5675, 78.0572
YIQ	145.2840, -128.0040, -37.0280

Conversions

Conversions Part 2

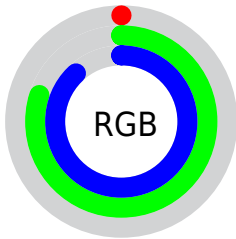
Format	Color
RYB	0, 107, 224
Decimal	52448
CIELab	75.18, -34.47, -21.79
CIELCh	75, 40.775, 212.300
Yxy	48.5675, 0.2168, 0.3004
Android (android.graphics.Color)	4278242528 (0xFF00CCE0)
YUV	145.2840, 38.8070, -127.4141
Hunter-Lab	69.6904, -32.1801, -17.6249

Details

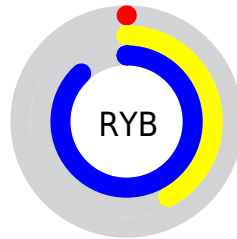
The Yxy color **48.5675, 0.2168, 0.3004** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.3632, 0.6340, 0.3346**, and the grayscale version is **28.3580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **24.3595, 0.2143, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **48.5528, 0.2168, 0.3004**, and if you desaturate by 10%, it is **49.7053, 0.2190, 0.3034**.

Distribution



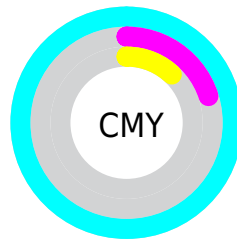
- Red (0%)
- Green (80%)
- Blue (88%)



- Red (0%)
- Yellow (42%)
- Blue (88%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5675, 0.2168, 0.3004 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 48.5675, 0.2168, 0.3004 by changing the saturation by 10% instead.


 48.5675, 0.2168,
0.3004


 48.5675, 0.2168,
0.3004


 381.0372, 0.2624,
0.3162


 34.2765, 0.2062,
0.2961


 88.0488, 0.2328,
0.3064


 23.1061, 0.1931,
0.2905


 114.0078, 0.2390,
0.3086


 14.6719, 0.1765,
0.2827


 144.6250, 0.2443,
0.3104

 8.5894, 0.1551,
0.2716

 180.2848, 0.2489,
0.3119

 4.4744, 0.1266,
0.2546

 221.3715, 0.2529,
0.3132

 1.9423, 0.0882,
0.2267

 268.2695, 0.2565,

 0.5736, 0.0000,

0.3143

0.1753

321.3633, 0.2596,
0.3153

■ 0.0000, 0.0000,
0.0000

■ 48.5675, 0.2168,
0.3004

■ 48.5675, 0.2168,
0.3004

■ 48.5528, 0.2168,
0.3004

■ 49.7053, 0.2190,
0.3034

■ 51.0587, 0.2227,
0.3065

■ 52.6939, 0.2283,
0.3096

■ 54.6484, 0.2358,
0.3127

■ 56.9536, 0.2452,
0.3157

■ 59.6371, 0.2564,
0.3187

■ 62.7239, 0.2690,
0.3216

■ 66.2364, 0.2828,
0.3242

■ 70.1956, 0.2976,
0.3267

Harmonies

Analogous

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



48.5675, 0.2438, 0.3562



48.5675, 0.2168, 0.3004



48.5675, 0.2132, 0.2602

Triad

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



48.5675, 0.2168, 0.3004



48.5675, 0.3282, 0.2653



48.5675, 0.3942, 0.4199

Complementary

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



48.5675, 0.2168, 0.3004



16.3632, 0.6340, 0.3346

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.



48.5675, 0.4223, 0.3857



48.5675, 0.2168, 0.3004



48.5675, 0.3834, 0.3000

Square

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



48.5675, 0.2168, 0.3004



48.5675, 0.2732, 0.2444



48.5675, 0.4190, 0.3426



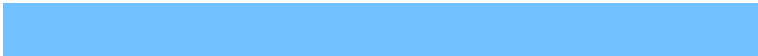
48.5675, 0.3454, 0.4312

Rectangle

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



48.5675, 0.2168, 0.3004



48.5675, 0.2237, 0.2455



48.5675, 0.4190, 0.3426



48.5675, 0.4065, 0.4103

Sweetspot

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



48.5693, 0.2168, 0.3004



83.9738, 0.2685, 0.3215



53.3680, 0.2987, 0.5953



17.5848, 0.2630, 0.3203



0.0000, 0.0000, 0.0000



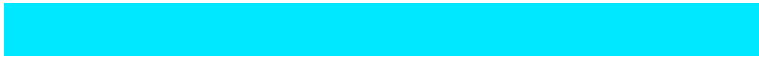
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5693, 0.2168, 0.3004



65.0348, 0.2167, 0.3001



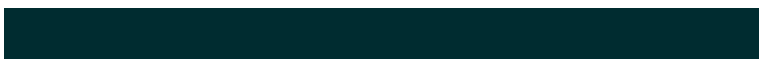
13.3078, 0.1693, 0.1293



15.3515, 0.2982, 0.3268



28.3451, 0.2169, 0.3008



2.0270, 0.2182, 0.3055

Inverse Universe

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



20.2164, 0.3451, 0.1675



27.0964, 0.3453, 0.1676



32.0332, 0.5177, 0.4270



13.9134, 0.3151, 0.3079



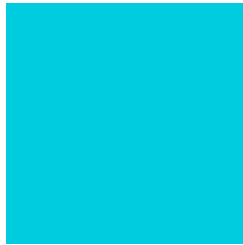
11.7695, 0.3447, 0.1673



0.8221, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 48.5675, 0.2168, 0.3004 looks on a white background.

Color Contrast Check

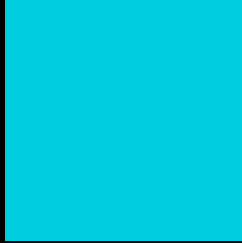
Large Text (above 18pt) WCAG AA × Fail

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 48.5675, 0.2168, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

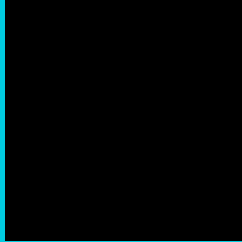
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5675, 0.2168, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 48.5675, 0.2168, 0.3004.



This preview shows how white text looks on a background with the Yxy color 48.5675, 0.2168, 0.3004.

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

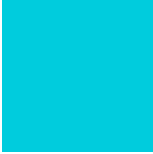
48.5675, 0.2168, 0.3004

Protanopia

47.6927, 0.2892, 0.2938

Deuteranopia

47.7646, 0.2753, 0.2693



Tritanopia

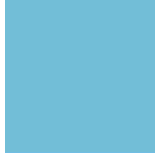
48.4062, 0.2179, 0.3045

Trichromacy



Original Color

48.5675, 0.2168, 0.3004



Protanomaly

45.3106, 0.2443, 0.2943



Deuteranomaly

45.4520, 0.2374, 0.2776



Tritanomaly

48.4597, 0.2175, 0.3031

Monochromacy



Original Color

48.5675, 0.2168, 0.3004



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.6037, 0.2487, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5675, 0.2168, 0.3004 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, 204, 224)` looks like.

```
.text, #text, p{  
  color:rgb(0, 204, 224)  
}
```

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, 204, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 224) }
```

Border

The CSS property to change the border of an element to Yxy 48.5675, 0.2168, 0.3004 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, 204, 224) }
```

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

```
.border{ border-color:rgb(0, 204, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5675, 0.2168, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 224) }
```

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

```
.background{ background-color: rgb(0, 204,  
224) }
```

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