

Converting Colors

$Y_{xy}(42.7430, 0.1892, 0.2981)$

Have a look what the booklet for
Yxy(42.7430, 0.1892, 0.2981)
contains.

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Color

Yxy(45.9613, 0.2166, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	00C7DB
RGB	0, 199, 219
RGB Percent	0%, 78%, 86%
CMY	1.0000, 0.2196, 0.1412
CMYK	1.00, 0.09, 0.00, 0.14
HSL	185°, 100%, 43%
HSV	185°, 100%, 86%
XYZ	33.2062, 45.9613, 74.1390
YIQ	141.7790, -125.0240, -35.9680

Conversions

Conversions Part 2

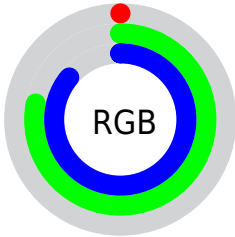
Format	Color
RYB	0, 104, 219
Decimal	51163
CIELab	73.52, -33.71, -21.61
CIELCh	74, 40.041, 212.656
Yxy	45.9613, 0.2166, 0.2998
Android (android.graphics.Color)	4278241243 (0xFF00C7DB)
YUV	141.7790, 38.0700, -124.3402
Hunter-Lab	67.7948, -31.2107, -17.3821

Details

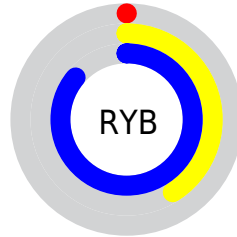
The Yxy color **45.9613, 0.2166, 0.2998** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.5603, 0.6340, 0.3348**, and the grayscale version is **26.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **22.9311, 0.2146, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **45.9650, 0.2166, 0.2998**, and if you desaturate by 10%, it is **47.0606, 0.2188, 0.3029**.

Distribution



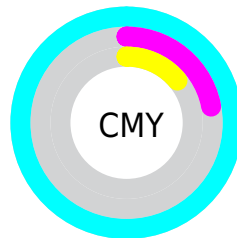
- Red (0%)
- Green (78%)
- Blue (86%)



- Red (0%)
- Yellow (41%)
- Blue (86%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9613, 0.2166, 0.2998 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 45.9613, 0.2166, 0.2998 by changing the saturation by 10% instead.


 45.9613, 0.2166,
0.2998


 45.9613, 0.2166,
0.2998

370.6530, 0.2628,
0.3160


 32.2153, 0.2058,
0.2954


 84.1611, 0.2329,
0.3060


 21.5260, 0.1923,
0.2895


 109.3836, 0.2391,
0.3082


 13.5090, 0.1752,
0.2813


 139.2005, 0.2445,
0.3101

 7.7800, 0.1530,
0.2696

 173.9960, 0.2491,
0.3116

 3.9545, 0.1233,
0.2514

 214.1547, 0.2532,
0.3130

 1.6481, 0.0807,
0.2217

260.0608, 0.2568,

 0.3897, 0.0000,

0.3141

0.1451

312.0988, 0.2599,
0.3151

■ 0.0000, 0.0000,
0.0000

■ 45.9613, 0.2166,
0.2998

■ 45.9613, 0.2166,
0.2998

■ 45.9650, 0.2166,
0.2998

■ 47.0606, 0.2188,
0.3029

■ 48.3605, 0.2226,
0.3060

■ 49.9278, 0.2282,
0.3092

■ 51.7979, 0.2357,
0.3123

■ 54.0007, 0.2451,
0.3154

■ 56.5623, 0.2562,
0.3185

■ 59.5062, 0.2688,
0.3214

■ 62.8539, 0.2826,
0.3241

■ 66.6252, 0.2974,
0.3267

Harmonies

Analogous

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



45.9613, 0.2433, 0.3555



45.9613, 0.2166, 0.2998



45.9613, 0.2133, 0.2598

Triad

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



45.9613, 0.2166, 0.2998



45.9613, 0.3289, 0.2656



45.9613, 0.3937, 0.4202

Complementary

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



45.9613, 0.2166, 0.2998



15.5603, 0.6340, 0.3348

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.



45.9613, 0.4221, 0.3862



45.9613, 0.2166, 0.2998



45.9613, 0.3840, 0.3005

Square

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



45.9613, 0.2166, 0.2998



45.9613, 0.2737, 0.2446



45.9613, 0.4193, 0.3431



45.9613, 0.3447, 0.4311

Rectangle

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



45.9613, 0.2166, 0.2998



45.9613, 0.2240, 0.2453



45.9613, 0.4193, 0.3431



45.9613, 0.4061, 0.4107

Sweetspot

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



45.9650, 0.2166, 0.2998



83.8889, 0.2685, 0.3213



50.7082, 0.2987, 0.5953



17.5642, 0.2630, 0.3201



0.0000, 0.0000, 0.0000



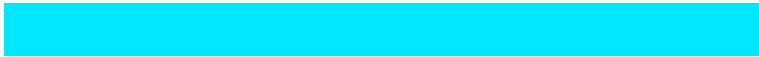
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9650, 0.2166, 0.2998



64.7758, 0.2165, 0.2995



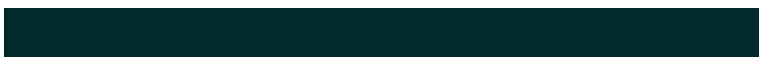
12.6396, 0.1693, 0.1293



14.6156, 0.2982, 0.3268



27.3398, 0.2168, 0.3003



1.8319, 0.2182, 0.3053

Inverse Universe

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



19.1841, 0.3456, 0.1677



27.0703, 0.3458, 0.1679



30.4336, 0.5178, 0.4271



13.2533, 0.3152, 0.3080



11.3837, 0.3452, 0.1675



0.7436, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 45.9613, 0.2166, 0.2998 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 45.9613, 0.2166, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

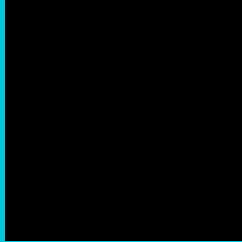
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9613, 0.2166, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 45.9613, 0.2166, 0.2998.



This preview shows how white text looks on a background with the Yxy color 45.9613, 0.2166, 0.2998.

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

45.9613, 0.2166, 0.2998

Protanopia

45.3625, 0.2895, 0.2943

Deuteranopia

45.4312, 0.2752, 0.2693



Tritanopia

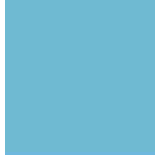
45.8047, 0.2178, 0.3039

Trichromacy



Original Color

45.9613, 0.2166, 0.2998



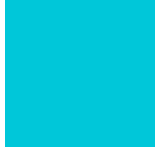
Protanomaly

43.1505, 0.2443, 0.2949



Deuteranomaly

42.9344, 0.2375, 0.2765



Tritanomaly

45.8566, 0.2174, 0.3026

Monochromacy



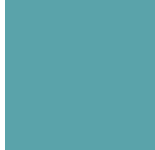
Original Color

45.9613, 0.2166, 0.2998



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.2703, 0.2492, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9613, 0.2166, 0.2998 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, 199, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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, 199, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 219) }
```

Border

The CSS property to change the border of an element to Yxy 45.9613, 0.2166, 0.2998 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, 199, 219) }
```

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

```
.border{ border-color:rgb(0, 199, 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, 199, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9613, 0.2166, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 219) }
```

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

```
.background{ background-color: rgb(0, 199,  
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](#).

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