

Converting Colors

$Y_{xy}(45.9726, 0.2233, 0.3237)$

Have a look what the booklet for
Yxy(45.9726, 0.2233, 0.3237)
contains.

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Color

Yxy(46.1394, 0.2235, 0.3243)

Conversions

Conversions Part 1

Format	Color
Hex	01C9CC
RGB	1, 201, 204
RGB Percent	0%, 79%, 80%
CMY	0.9946, 0.2118, 0.2001
CMYK	0.99, 0.01, 0.00, 0.20
HSL	181°, 99%, 40%
HSV	181°, 99%, 80%
XYZ	31.7982, 46.1394, 64.3362
YIQ	141.5420, -120.1630, -41.4670

Conversions

Conversions Part 2

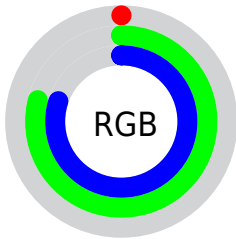
Format	Color
R _{YB}	1, 102, 204
Decimal	117196
CIE Lab	73.64, -39.26, -13.28
CIE LCh	74, 41.445, 198.692
Yxy	46.1394, 0.2235, 0.3243
Android (android.graphics.Color)	4278307276 (0xFF01C9CC)
YUV	141.5420, 30.7918, -123.2553
Hunter-Lab	67.9260, -35.3093, -8.6084

Details

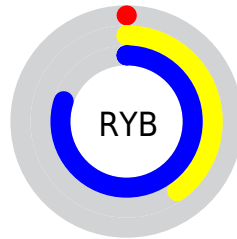
The Yxy color **46.1394, 0.2235, 0.3243** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.9302, 0.6381, 0.3307**, and the grayscale version is **26.8173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8042, 0.2402, 0.3288**, and **22.7598, 0.2224, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **46.1229, 0.2234, 0.3243**, and if you desaturate by 10%, it is **46.4396, 0.2250, 0.3248**.

Distribution



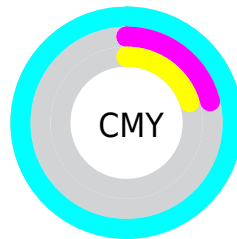
- Red (0%)
- Green (79%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)




- Cyan (99%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1394, 0.2235, 0.3243 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 46.1394, 0.2235, 0.3243 by changing the saturation by 10% instead.


 46.1394, 0.2235,
0.3243


 46.1394, 0.2235,
0.3243


371.3688, 0.2668,
0.3281


 32.3558, 0.2132,
0.3229


 84.4276, 0.2389,
0.3260


 21.6334, 0.2003,
0.3209


 109.7010, 0.2447,
0.3265


 13.5878, 0.1838,
0.3179


 139.5731, 0.2497,
0.3269

 7.8345, 0.1619,
0.3129

 174.4284, 0.2541,
0.3273

 3.9893, 0.1320,
0.3040

 214.6512, 0.2579,
0.3275

 1.6676, 0.0825,
0.2887

260.6260, 0.2612,

 0.4025, 0.0000,

0.3278

0.2202

312.7370, 0.2641,
0.3279

■ 0.0000, 0.0000,
0.0000

■ 46.1394, 0.2235,
0.3243

■ 46.1394, 0.2235,
0.3243

■ 46.1229, 0.2234,
0.3243

■ 46.4396, 0.2250,
0.3248

■ 46.9072, 0.2280,
0.3252

■ 47.5938, 0.2328,
0.3257

■ 48.5288, 0.2395,
0.3262

■ 49.7369, 0.2481,
0.3267

■ 51.2398, 0.2585,
0.3272

■ 53.0570, 0.2705,
0.3277

■ 55.2063, 0.2840,
0.3282

■ 57.7045, 0.2985,
0.3286

Harmonies

Analogous

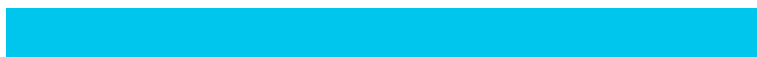
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1394, 0.2612, 0.3836



46.1394, 0.2235, 0.3243



46.1394, 0.2089, 0.2739

Triad

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



46.1394, 0.2235, 0.3243



46.1394, 0.3017, 0.2516



46.1394, 0.4133, 0.4086

Complementary

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



46.1394, 0.2235, 0.3243



12.9302, 0.6381, 0.3307

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.



46.1394, 0.4288, 0.3674



46.1394, 0.2235, 0.3243



46.1394, 0.3611, 0.2815

Square

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



46.1394, 0.2235, 0.3243



46.1394, 0.2505, 0.2381



46.1394, 0.4096, 0.3224



46.1394, 0.3708, 0.4333

Rectangle

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



46.1394, 0.2235, 0.3243



46.1394, 0.2125, 0.2519



46.1394, 0.4096, 0.3224



46.1394, 0.4221, 0.3959

Sweetspot

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



46.1411, 0.2235, 0.3243



87.5514, 0.2692, 0.3277



43.1829, 0.3000, 0.5995



18.4556, 0.2639, 0.3275



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.



46.1411, 0.2235, 0.3243



76.3802, 0.2234, 0.3242



14.0023, 0.1773, 0.1578



12.6977, 0.2984, 0.3286



29.0530, 0.2234, 0.3243



1.5080, 0.2237, 0.3253

Inverse Universe

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



17.0799, 0.3246, 0.1564



28.2418, 0.3247, 0.1562



22.4713, 0.5403, 0.4086



11.4008, 0.3140, 0.3065



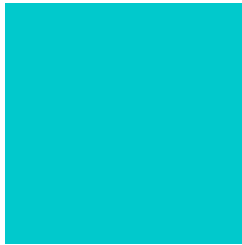
10.7359, 0.3246, 0.1562



0.5548, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 46.1394, 0.2235, 0.3243 looks on a white background.

Color Contrast Check

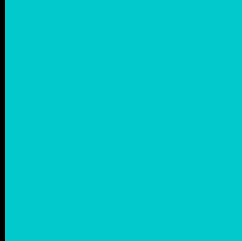
Large Text (above 18pt) WCAG AA × Fail

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 46.1394, 0.2235, 0.3243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

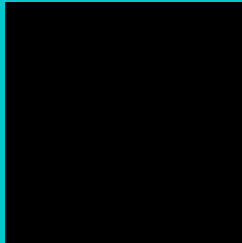
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

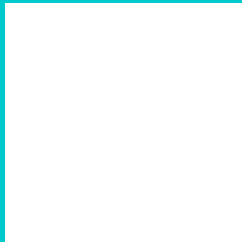
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1394, 0.2235, 0.3243

Background



This preview shows how black text looks on a background with the Yxy color 46.1394, 0.2235, 0.3243.



This preview shows how white text looks on a background with the Yxy color 46.1394, 0.2235, 0.3243.

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

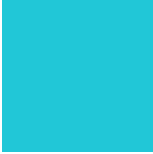
46.1394, 0.2235, 0.3243

Protanopia

45.2618, 0.3049, 0.3134

Deuteranopia

45.2582, 0.2913, 0.2850



Tritanopia

46.0765, 0.2209, 0.3055

Trichromacy



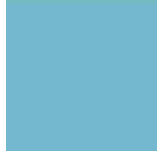
Original Color

46.1394, 0.2235, 0.3243



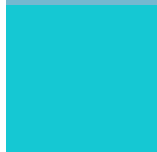
Protanomaly

42.7028, 0.2550, 0.3158



Deuteranomaly

42.5480, 0.2476, 0.2949



Tritanomaly

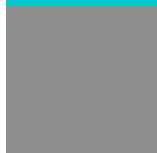
46.1711, 0.2215, 0.3126

Monochromacy



Original Color

46.1394, 0.2235, 0.3243



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.1351, 0.2530, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1394, 0.2235, 0.3243 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(1, 201, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 201, 204)  
}
```

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(1, 201, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 201, 204) }
```

Border

The CSS property to change the border of an element to Yxy 46.1394, 0.2235, 0.3243 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(1, 201, 204) }
```

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

```
.border{ border-color:rgb(1, 201, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 201, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 201, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 201, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 201,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1394, 0.2235, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 201, 204) }
```

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

```
.background{ background-color: rgb(1, 201,  
204) }
```

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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