

Converting Colors

$Y_{xy}(43.8456, 0.2156, 0.2962)$

Have a look what the booklet for
Yxy(43.8456, 0.2156, 0.2962)
contains.

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Color

Yxy(44.0400, 0.2157, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	00C3D9
RGB	0, 195, 217
RGB Percent	0%, 76%, 85%
CMY	1.0000, 0.2353, 0.1490
CMYK	1.00, 0.10, 0.00, 0.15
HSL	186°, 100%, 43%
HSV	186°, 100%, 85%
XYZ	32.0385, 44.0400, 72.4543
YIQ	139.2030, -123.2820, -34.4980

Conversions

Conversions Part 2

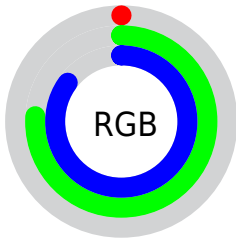
Format	Color
RYB	0, 103, 217
Decimal	50137
CIELab	72.26, -32.44, -22.44
CIELCh	72, 39.444, 214.682
Yxy	44.0400, 0.2157, 0.2965
Android (android.graphics.Color)	4278240217 (0xFF00C3D9)
YUV	139.2030, 38.3539, -122.0810
Hunter-Lab	66.3626, -29.9584, -18.2786

Details

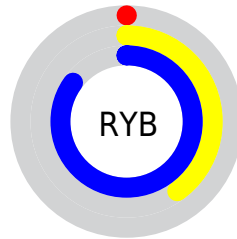
The Yxy color **44.0400, 0.2157, 0.2965** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.3248, 0.6330, 0.3356**, and the grayscale version is **25.7870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9666, 0.2397, 0.3253**, and **21.6584, 0.2133, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **44.0414, 0.2157, 0.2965**, and if you desaturate by 10%, it is **45.2017, 0.2181, 0.2999**.

Distribution



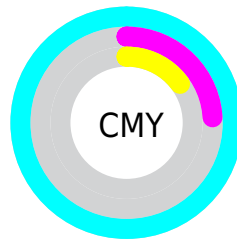
- Red (0%)
- Green (76%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0400, 0.2157, 0.2965 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 44.0400, 0.2157, 0.2965 by changing the saturation by 10% instead.


 44.0400, 0.2157,
0.2965

 44.0400, 0.2157,
0.2965

362.8715, 0.2626,
0.3144


 30.7020, 0.2046,
0.2916


 81.2779, 0.2323,
0.3034

 20.3720, 0.1909,
0.2851


 105.9466, 0.2386,
0.3058


 12.6657, 0.1733,
0.2761


 135.1609, 0.2441,
0.3079

 7.1988, 0.1504,
0.2631

 169.3054, 0.2488,
0.3096

 3.5867, 0.1198,
0.2431

 208.7642, 0.2529,
0.3111

 1.4452, 0.0727,
0.2111

253.9219, 0.2565,

 0.2497, 0.0000,

0.3124

0.1048

305.1629, 0.2597,
0.3135

■ 0.0000, 0.0000,
0.0000

■ 44.0400, 0.2157,
0.2965

■ 44.0400, 0.2157,
0.2965

■ 44.0414, 0.2157,
0.2965

■ 45.2017, 0.2181,
0.2999

■ 46.5642, 0.2219,
0.3034

■ 48.1913, 0.2276,
0.3070

■ 50.1175, 0.2353,
0.3105

■ 52.3720, 0.2448,
0.3140

■ 54.9804, 0.2561,
0.3173

■ 57.9658, 0.2687,
0.3205

■ 61.3489, 0.2826,
0.3236

■ 65.1494, 0.2974,
0.3264

Harmonies

Analogous

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



44.0400, 0.2409, 0.3515



44.0400, 0.2157, 0.2965



44.0400, 0.2140, 0.2579

Triad

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



44.0400, 0.2157, 0.2965



44.0400, 0.3328, 0.2677



44.0400, 0.3908, 0.4218

Complementary

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



44.0400, 0.2157, 0.2965



15.3248, 0.6330, 0.3356

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.



44.0400, 0.4210, 0.3889



44.0400, 0.2157, 0.2965



44.0400, 0.3871, 0.3032

Square

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



44.0400, 0.2157, 0.2965



44.0400, 0.2772, 0.2455



44.0400, 0.4205, 0.3461



44.0400, 0.3410, 0.4306

Rectangle

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



44.0400, 0.2157, 0.2965



44.0400, 0.2257, 0.2444



44.0400, 0.4205, 0.3461



44.0400, 0.4037, 0.4128

Sweetspot

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



44.0416, 0.2157, 0.2965



83.4167, 0.2684, 0.3205



49.6807, 0.2983, 0.5939



17.4496, 0.2628, 0.3191



0.0000, 0.0000, 0.0000



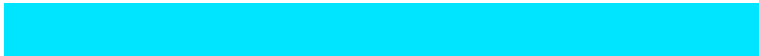
21.4041, 0.3127, 0.3290

Same Dimension

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



44.0416, 0.2157, 0.2965



63.3448, 0.2156, 0.2962



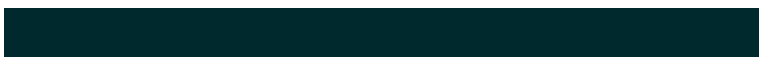
11.7937, 0.1679, 0.1244



14.5922, 0.2982, 0.3266



26.7511, 0.2158, 0.2970



1.7996, 0.2174, 0.3027

Inverse Universe

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



18.6915, 0.3485, 0.1694



26.9258, 0.3488, 0.1695



30.7694, 0.5129, 0.4309



13.2509, 0.3153, 0.3083



11.3243, 0.3481, 0.1691



0.7404, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 44.0400, 0.2157, 0.2965 looks on a white background.

Color Contrast Check

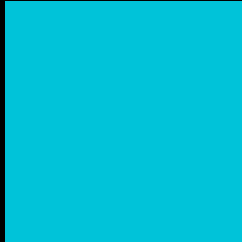
Large Text (above 18pt) WCAG AA × Fail

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 44.0400, 0.2157, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

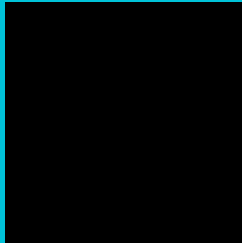
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.0400, 0.2157, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 44.0400, 0.2157, 0.2965.



This preview shows how white text looks on a background with the Yxy color 44.0400, 0.2157, 0.2965.

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

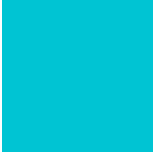
44.0400, 0.2157, 0.2965

Protanopia

43.2418, 0.2875, 0.2911

Deuteranopia

43.5961, 0.2725, 0.2670



Tritanopia

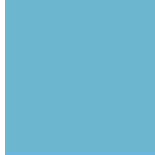
44.1830, 0.2185, 0.3064

Trichromacy



Original Color

44.0400, 0.2157, 0.2965



Protanomaly

41.2612, 0.2432, 0.2916



Deuteranomaly

41.4032, 0.2362, 0.2745



Tritanomaly

44.2840, 0.2177, 0.3036

Monochromacy



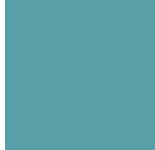
Original Color

44.0400, 0.2157, 0.2965



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.6610, 0.2486, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0400, 0.2157, 0.2965 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, 195, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 217)  
}
```

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, 195, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 217) }
```

Border

The CSS property to change the border of an element to Yxy 44.0400, 0.2157, 0.2965 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, 195, 217) }
```

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

```
.border{ border-color:rgb(0, 195, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0400, 0.2157, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 217) }
```

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

```
.background{ background-color: rgb(0, 195,  
217) }
```

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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