

Converting Colors

$Y_{xy}(43.1655, 0.1959, 0.2871)$

Have a look what the booklet for
Yxy(43.1655, 0.1959, 0.2871)
contains.

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Color

Yxy(45.3687, 0.2135, 0.2887)

Conversions

Conversions Part 1

Format	Color
Hex	00C5E1
RGB	0, 197, 225
RGB Percent	0%, 77%, 88%
CMY	1.0000, 0.2274, 0.1176
CMYK	1.00, 0.12, 0.00, 0.12
HSL	187°, 100%, 44%
HSV	187°, 100%, 88%
XYZ	33.5512, 45.3687, 78.2284
YIQ	141.2890, -126.4000, -33.0560

Conversions

Conversions Part 2

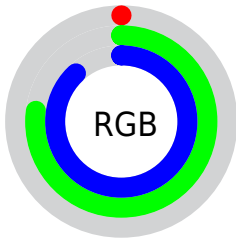
Format	Color
RYB	0, 105, 225
Decimal	50657
CIELab	73.13, -30.83, -25.45
CIELCh	73, 39.978, 219.538
Yxy	45.3687, 0.2135, 0.2887
Android (android.graphics.Color)	4278240737 (0xFF00C5E1)
YUV	141.2890, 41.2695, -123.9105
Hunter-Lab	67.3563, -28.9601, -21.7107

Details

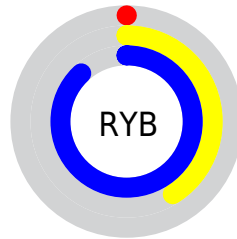
The Yxy color **45.3687, 0.2135, 0.2887** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.8394, 0.6306, 0.3375**, and the grayscale version is **26.6305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3548, 0.2408, 0.3276**, and **22.5472, 0.2106, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **45.3745, 0.2135, 0.2887**, and if you desaturate by 10%, it is **46.8342, 0.2161, 0.2930**.

Distribution



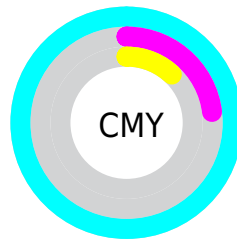
- Red (0%)
- Green (77%)
- Blue (88%)



- Red (0%)
- Yellow (41%)
- Blue (88%)



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




- Cyan (100%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3687, 0.2135, 0.2887 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 45.3687, 0.2135, 0.2887 by changing the saturation by 10% instead.


 45.3687, 0.2135,
0.2887


 45.3687, 0.2135,
0.2887


368.2648, 0.2611,
0.3104

 31.7479, 0.2024,
0.2830


 83.2734, 0.2302,
0.2969

 21.1690, 0.1886,
0.2754


 108.3261, 0.2367,
0.2998


 13.2476, 0.1712,
0.2652


 137.9583, 0.2422,
0.3023

 7.5993, 0.1487,
0.2508

 172.5544, 0.2470,
0.3044

 3.8396, 0.1189,
0.2292

 212.4986, 0.2512,
0.3062

 1.5843, 0.0776,
0.1953

258.1755, 0.2549,

 0.3470, 0.0000,

0.3078

0.1133

309.9694, 0.2581,
0.3092

■ 0.0000, 0.0000,
0.0000

■ 45.3687, 0.2135,
0.2887

■ 45.3687, 0.2135,
0.2887

■ 45.3745, 0.2135,
0.2887

■ 46.8342, 0.2161,
0.2930

■ 48.5230, 0.2202,
0.2974

■ 50.5073, 0.2263,
0.3018

■ 52.8250, 0.2342,
0.3061

■ 55.5083, 0.2440,
0.3105

■ 58.5851, 0.2555,
0.3146

■ 62.0806, 0.2684,
0.3186

■ 66.0179, 0.2825,
0.3223

■ 70.4180, 0.2973,
0.3258

Harmonies

Analogous

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



45.3687, 0.2350, 0.3422



45.3687, 0.2135, 0.2887



45.3687, 0.2156, 0.2535

Triad

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



45.3687, 0.2135, 0.2887



45.3687, 0.3423, 0.2725



45.3687, 0.3840, 0.4256

Complementary

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



45.3687, 0.2135, 0.2887



16.8394, 0.6306, 0.3375

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.



45.3687, 0.4184, 0.3954



45.3687, 0.2135, 0.2887



45.3687, 0.3947, 0.3098

Square

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



45.3687, 0.2135, 0.2887



45.3687, 0.2854, 0.2477



45.3687, 0.4233, 0.3533



45.3687, 0.3321, 0.4292

Rectangle

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



45.3687, 0.2135, 0.2887



45.3687, 0.2297, 0.2423



45.3687, 0.4233, 0.3533



45.3687, 0.3980, 0.4177

Sweetspot

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



45.3745, 0.2135, 0.2887



82.3406, 0.2682, 0.3185



53.9310, 0.2979, 0.5925



17.1886, 0.2625, 0.3169



0.0000, 0.0000, 0.0000



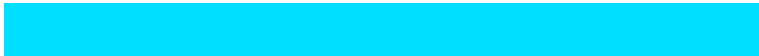
21.4041, 0.3127, 0.3290

Same Dimension

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



45.3745, 0.2135, 0.2887



60.1402, 0.2135, 0.2884



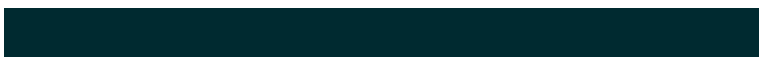
12.1329, 0.1665, 0.1192



15.2660, 0.2982, 0.3260



26.2626, 0.2137, 0.2894



1.9031, 0.2156, 0.2960

Inverse Universe

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



20.0407, 0.3555, 0.1732



26.6023, 0.3558, 0.1734



34.4035, 0.5084, 0.4345



13.9047, 0.3157, 0.3087



11.5593, 0.3549, 0.1729



0.8096, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 45.3687, 0.2135, 0.2887 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 45.3687, 0.2135, 0.2887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

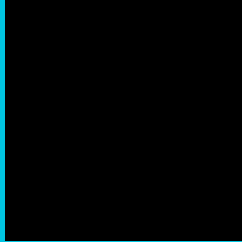
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3687, 0.2135, 0.2887

Background



This preview shows how black text looks on a background with the Yxy color 45.3687, 0.2135, 0.2887.

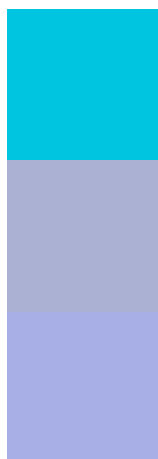


This preview shows how white text looks on a background with the Yxy color 45.3687, 0.2135, 0.2887.

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

45.3687, 0.2135, 0.2887

Protanopia

44.8054, 0.2820, 0.2853

Deuteranopia

44.6979, 0.2668, 0.2606



Tritanopia

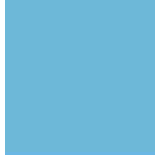
45.2432, 0.2181, 0.3052

Trichromacy



Original Color

45.3687, 0.2135, 0.2887



Protanomaly

42.4901, 0.2396, 0.2840



Deuteranomaly

42.5942, 0.2323, 0.2674



Tritanomaly

45.4501, 0.2166, 0.2997

Monochromacy



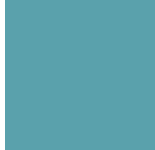
Original Color

45.3687, 0.2135, 0.2887



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.6420, 0.2473, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3687, 0.2135, 0.2887 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, 197, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 225)  
}
```

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, 197, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.3687, 0.2135, 0.2887 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, 197, 225) }
```

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

```
.border{ border-color:rgb(0, 197, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3687, 0.2135, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 225) }
```

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

```
.background{ background-color: rgb(0, 197,  
225) }
```

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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