

Converting Colors

$Y_{xy}(46.3043, 0.2143, 0.2964)$

Have a look what the booklet for
Yxy(46.3043, 0.2143, 0.2964)
contains.

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Color

Yxy(46.5825, 0.2159, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	00C8DE
RGB	0, 200, 222
RGB Percent	0%, 78%, 87%
CMY	0.9996, 0.2157, 0.1294
CMYK	1.00, 0.10, 0.00, 0.13
HSL	186°, 100%, 44%
HSV	186°, 100%, 87%
XYZ	33.8397, 46.5825, 76.3157
YIQ	142.7080, -126.2620, -35.5580

Conversions

Conversions Part 2

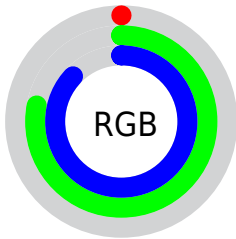
Format	Color
RYB	0, 105, 222
Decimal	51422
CIELab	73.92, -33.22, -22.62
CIELCh	74, 40.187, 214.252
Yxy	46.5825, 0.2159, 0.2972
Android (android.graphics.Color)	4278241502 (0xFF00C8DE)
YUV	142.7080, 39.0910, -125.1549
Hunter-Lab	68.2514, -30.9378, -18.5195

Details

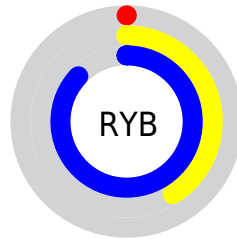
The Yxy color **46.5825, 0.2159, 0.2972** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.1082, 0.6332, 0.3354**, and the grayscale version is **27.2392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **23.3478, 0.2136, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **46.5784, 0.2159, 0.2972**, and if you desaturate by 10%, it is **47.7846, 0.2182, 0.3006**.

Distribution



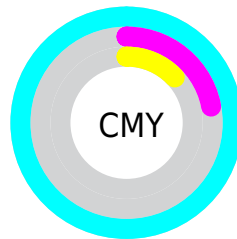
- Red (0%)
- Green (78%)
- Blue (87%)



- Red (0%)
- Yellow (41%)
- Blue (87%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5825, 0.2159, 0.2972 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 46.5825, 0.2159, 0.2972 by changing the saturation by 10% instead.


 46.5825, 0.2159,
0.2972

 46.5825, 0.2159,
0.2972

373.1456, 0.2622,
0.3146


 32.7057, 0.2051,
0.2925


 85.0901, 0.2322,
0.3038

 21.9011, 0.1917,
0.2863


 110.4897, 0.2385,
0.3062


 13.7843, 0.1747,
0.2777


 140.4990, 0.2439,
0.3082

 7.9708, 0.1526,
0.2654

 175.5025, 0.2485,
0.3099

 4.0762, 0.1232,
0.2467

 215.8845, 0.2526,
0.3114

 1.7163, 0.0825,
0.2164

262.0294, 0.2562,

 0.4342, 0.0000,

0.3126

0.1472

314.3216, 0.2594,
0.3137

■ 0.0000, 0.0000,
0.0000

■ 46.5825, 0.2159,
0.2972

■ 46.5825, 0.2159,
0.2972

■ 46.5784, 0.2159,
0.2972

■ 47.7846, 0.2182,
0.3006

■ 49.1990, 0.2220,
0.3040

■ 50.8918, 0.2277,
0.3074

■ 52.8995, 0.2354,
0.3109

■ 55.2530, 0.2449,
0.3143

■ 57.9795, 0.2561,
0.3176

■ 61.1032, 0.2688,
0.3207

■ 64.6462, 0.2827,
0.3237

■ 68.6291, 0.2974,
0.3265

Harmonies

Analogous

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



46.5825, 0.2414, 0.3524



46.5825, 0.2159, 0.2972



46.5825, 0.2138, 0.2583

Triad

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



46.5825, 0.2159, 0.2972



46.5825, 0.3320, 0.2672



46.5825, 0.3914, 0.4215

Complementary

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



46.5825, 0.2159, 0.2972



16.1082, 0.6332, 0.3354

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.



46.5825, 0.4212, 0.3883



46.5825, 0.2159, 0.2972



46.5825, 0.3864, 0.3027

Square

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



46.5825, 0.2159, 0.2972



46.5825, 0.2764, 0.2453



46.5825, 0.4202, 0.3454



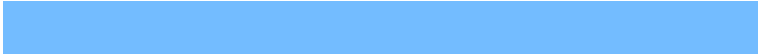
46.5825, 0.3418, 0.4307

Rectangle

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



46.5825, 0.2159, 0.2972



46.5825, 0.2253, 0.2446



46.5825, 0.4202, 0.3454



46.5825, 0.4042, 0.4123

Sweetspot

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



46.5842, 0.2159, 0.2972



83.5199, 0.2684, 0.3206



52.2901, 0.2987, 0.5953



17.4746, 0.2629, 0.3193



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.



46.5842, 0.2159, 0.2972



63.6563, 0.2158, 0.2969



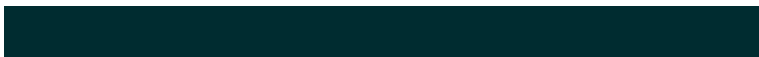
13.0274, 0.1692, 0.1292



15.3279, 0.2982, 0.3266



27.7589, 0.2160, 0.2977



1.9923, 0.2175, 0.3029

Inverse Universe

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



19.7026, 0.3479, 0.1690



26.9573, 0.3481, 0.1691



31.3753, 0.5178, 0.4270



13.9110, 0.3153, 0.3082



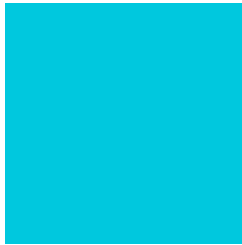
11.7103, 0.3475, 0.1688



0.8186, 0.3429, 0.1662

Previews

White Background



This preview shows how the Yxy color 46.5825, 0.2159, 0.2972 looks on a white background.

Color Contrast Check

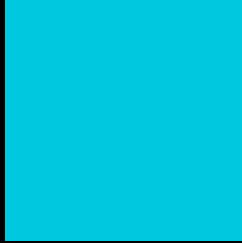
Large Text (above 18pt) WCAG AA × Fail

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 46.5825, 0.2159, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

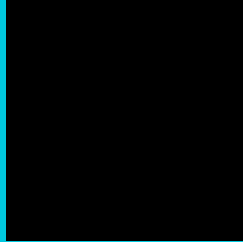
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5825, 0.2159, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 46.5825, 0.2159, 0.2972.



This preview shows how white text looks on a background with the Yxy color 46.5825, 0.2159, 0.2972.

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

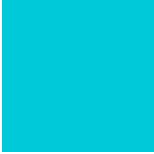
46.5825, 0.2159, 0.2972

Protanopia

45.9082, 0.2873, 0.2919

Deuteranopia

45.9890, 0.2733, 0.2672



Tritanopia

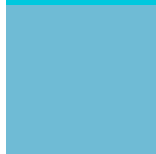
46.7830, 0.2182, 0.3056

Trichromacy



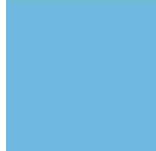
Original Color

46.5825, 0.2159, 0.2972



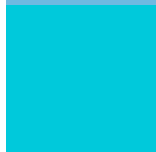
Protanomaly

43.7243, 0.2430, 0.2924



Deuteranomaly

43.5137, 0.2363, 0.2742



Tritanomaly

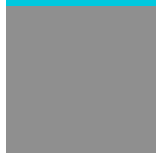
46.8878, 0.2174, 0.3028

Monochromacy



Original Color

46.5825, 0.2159, 0.2972



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.7536, 0.2488, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5825, 0.2159, 0.2972 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, 200, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 222)  
}
```

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, 200, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 222) }
```

Border

The CSS property to change the border of an element to Yxy 46.5825, 0.2159, 0.2972 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, 200, 222) }
```

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

```
.border{ border-color:rgb(0, 200, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5825, 0.2159, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 222) }
```

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

```
.background{ background-color: rgb(0, 200,  
222) }
```

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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