

Converting Colors

$Y_{xy}(42.4975, 0.1402, 0.2777)$

Have a look what the booklet for
Yxy(42.4975, 0.1402, 0.2777)
contains.

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Color

Yxy(50.8576, 0.2126, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	00CFEF
RGB	0, 207, 239
RGB Percent	0%, 81%, 94%
CMY	0.9990, 0.1882, 0.0626
CMYK	1.00, 0.13, 0.00, 0.06
HSL	188°, 100%, 47%
HSV	188°, 100%, 94%
XYZ	37.8981, 50.8576, 89.5044
YIQ	148.7550, -133.6440, -33.9320

Conversions

Conversions Part 2

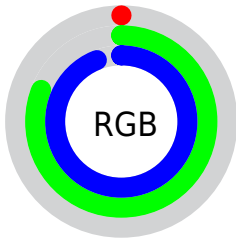
Format	Color
RYB	0, 111, 239
Decimal	53231
CIELab	76.59, -31.09, -27.71
CIELCh	77, 41.649, 221.706
Yxy	50.8576, 0.2126, 0.2853
Android (android.graphics.Color)	4278243311 (0xFF00CFEF)
YUV	148.7550, 44.4908, -130.4581
Hunter-Lab	71.3145, -29.9416, -24.4927

Details

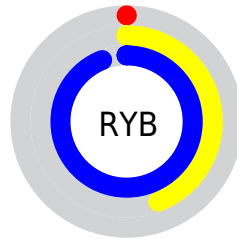
The Yxy color **50.8576, 0.2126, 0.2853** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.4050, 0.6296, 0.3381**, and the grayscale version is **29.8311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **25.8754, 0.2095, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **50.8421, 0.2126, 0.2853**, and if you desaturate by 10%, it is **52.6235, 0.2153, 0.2900**.

Distribution



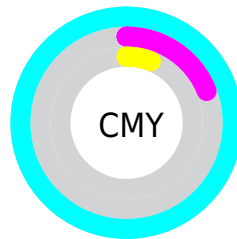
- Red (0%)
- Green (81%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- Blue (94%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (19%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8576, 0.2126, 0.2853 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 50.8576, 0.2126, 0.2853 by changing the saturation by 10% instead.

 50.8576, 0.2126,
0.2853

 50.8576, 0.2126,
0.2853


 390.0103, 0.2596,
0.3082


 36.0953, 0.2019,
0.2794


 91.4442, 0.2289,
0.2938

 24.5078, 0.1888,
0.2719

 118.0374, 0.2353,
0.2969

 15.7107, 0.1723,
0.2618


 149.3429, 0.2407,
0.2996

 9.3197, 0.1514,
0.2479

 185.7452, 0.2455,
0.3018

 4.9503, 0.1241,
0.2278

 227.6287, 0.2497,
0.3037

 2.2181, 0.0885,
0.1971

275.3778, 0.2533,

 0.7298, 0.0000,

0.3054

0.1533

329.3769, 0.2566,
0.3069

■ 0.0000, 0.0000,
0.0000

■ 50.8576, 0.2126,
0.2853

■ 50.8576, 0.2126,
0.2853

■ 50.8421, 0.2126,
0.2853

■ 52.6235, 0.2153,
0.2900

■ 54.6586, 0.2195,
0.2947

■ 57.0383, 0.2256,
0.2995

■ 59.8068, 0.2337,
0.3043

■ 63.0015, 0.2437,
0.3089

■ 66.6548, 0.2553,
0.3135

■ 70.7959, 0.2684,
0.3178

■ 75.4516, 0.2825,
0.3218

■ 80.6465, 0.2974,
0.3256

Harmonies

Analogous

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



50.8576, 0.2325, 0.3380



50.8576, 0.2126, 0.2853



50.8576, 0.2164, 0.2516

Triad

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



50.8576, 0.2126, 0.2853



50.8576, 0.3466, 0.2747



50.8576, 0.3808, 0.4272

Complementary

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



50.8576, 0.2126, 0.2853



19.4050, 0.6296, 0.3381

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.



50.8576, 0.4170, 0.3983



50.8576, 0.2126, 0.2853



50.8576, 0.3980, 0.3127

Square

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



50.8576, 0.2126, 0.2853



50.8576, 0.2892, 0.2488



50.8576, 0.4244, 0.3565



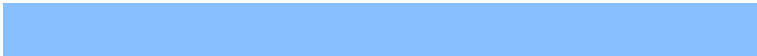
50.8576, 0.3281, 0.4284

Rectangle

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



50.8576, 0.2126, 0.2853



50.8576, 0.2316, 0.2415



50.8576, 0.4244, 0.3565



50.8576, 0.3954, 0.4199

Sweetspot

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



50.8594, 0.2126, 0.2853



81.8899, 0.2681, 0.3177



61.8582, 0.2975, 0.5910



17.0794, 0.2624, 0.3159



0.0000, 0.0000, 0.0000



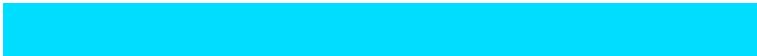
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8594, 0.2126, 0.2853



58.8218, 0.2125, 0.2851



13.1819, 0.1651, 0.1142



17.5461, 0.2981, 0.3257



28.2294, 0.2128, 0.2860



2.4476, 0.2145, 0.2922

Inverse Universe

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



22.8664, 0.3586, 0.1749



26.4692, 0.3588, 0.1750



40.6436, 0.5039, 0.4380



15.9928, 0.3158, 0.3088



12.6431, 0.3580, 0.1746



1.0618, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 50.8576, 0.2126, 0.2853 looks on a white background.

Color Contrast Check

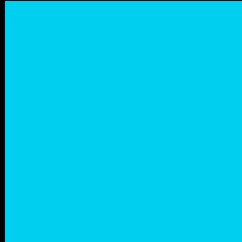
Large Text (above 18pt) WCAG AA × Fail

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 50.8576, 0.2126, 0.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

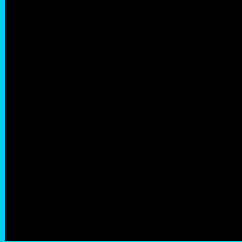
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8576, 0.2126, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 50.8576, 0.2126, 0.2853.



This preview shows how white text looks on a background with the Yxy color 50.8576, 0.2126, 0.2853.

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

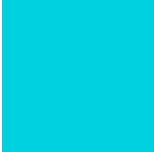
50.8576, 0.2126, 0.2853

Protanopia

50.0833, 0.2798, 0.2825

Deuteranopia

49.9266, 0.2642, 0.2579



Tritanopia

51.0372, 0.2184, 0.3064

Trichromacy



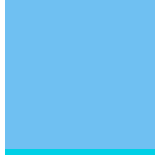
Original Color

50.8576, 0.2126, 0.2853



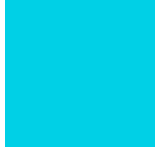
Protanomaly

47.8181, 0.2383, 0.2822



Deuteranomaly

47.4896, 0.2303, 0.2640



Tritanomaly

50.8249, 0.2162, 0.2983

Monochromacy



Original Color

50.8576, 0.2126, 0.2853



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.5597, 0.2468, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8576, 0.2126, 0.2853 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, 207, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 239)  
}
```

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, 207, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 239) }
```

Border

The CSS property to change the border of an element to Yxy 50.8576, 0.2126, 0.2853 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, 207, 239) }
```

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

```
.border{ border-color:rgb(0, 207, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 207, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 207, 239); box-shadow:4px 4px 4px 4px rgb(0, 207, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8576, 0.2126, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 239) }
```

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

```
.background{ background-color: rgb(0, 207,  
239) }
```

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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