

Converting Colors

$Y_{xy}(35.6555, 0.1398, 0.2766)$

Have a look what the booklet for
Yxy(35.6555, 0.1398, 0.2766)
contains.

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Color

Yxy(42.9732, 0.2125, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	00CODE
RGB	0, 192, 222
RGB Percent	0%, 75%, 87%
CMY	1.0000, 0.2470, 0.1293
CMYK	1.00, 0.14, 0.00, 0.13
HSL	188°, 100%, 44%
HSV	188°, 100%, 87%
XYZ	32.0302, 42.9732, 75.7269
YIQ	138.0120, -124.0620, -31.3740

Conversions

Conversions Part 2

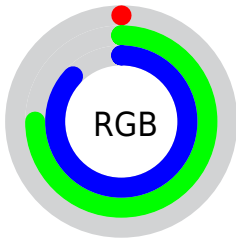
Format	Color
R _{YB}	0, 103, 222
Decimal	49374
CIE _{Lab}	71.54, -29.37, -26.27
CIE _{LCh}	72, 39.406, 221.815
Y _{xy}	42.9732, 0.2125, 0.2851
Android (android.graphics.Color)	4278239454 (0xFF00C0DE)
YUV	138.0120, 41.4061, -121.0365
Hunter-Lab	65.5539, -27.5029, -22.6031

Details

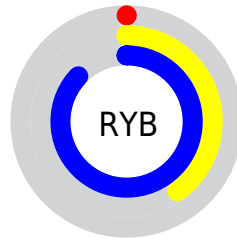
The Yxy color **42.9732, 0.2125, 0.2851** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.4618, 0.6292, 0.3386**, and the grayscale version is **25.2983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0972, 0.2389, 0.3218**, and **20.9670, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **42.9787, 0.2125, 0.2851**, and if you desaturate by 10%, it is **44.4831, 0.2153, 0.2898**.

Distribution



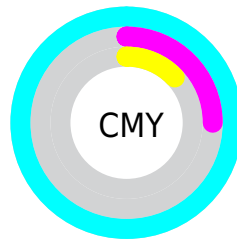
- Red (0%)
- Green (75%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9732, 0.2125, 0.2851 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 42.9732, 0.2125, 0.2851 by changing the saturation by 10% instead.

 42.9732, 0.2125,
0.2851


 42.9732, 0.2125,
0.2851


358.5015, 0.2609,
0.3087

 29.8641, 0.2011,
0.2788


 79.6704, 0.2296,
0.2940


 19.7354, 0.1869,
0.2706


 104.0273, 0.2362,
0.2973


 12.2029, 0.1689,
0.2594


 132.9023, 0.2418,
0.3000

 6.8820, 0.1456,
0.2436

 166.6796, 0.2467,
0.3023

 3.3884, 0.1146,
0.2199

 205.7439, 0.2509,
0.3042

 1.3377, 0.0681,
0.1834

250.4793, 0.2547,

 0.1701, 0.0000,

0.3059

0.0648

301.2704, 0.2580,
0.3074

■ 0.0000, 0.0000,
0.0000

■ 42.9732, 0.2125,
0.2851

■ 42.9732, 0.2125,
0.2851

■ 42.9787, 0.2125,
0.2851

■ 44.4831, 0.2153,
0.2898

■ 46.2132, 0.2195,
0.2946

■ 48.2338, 0.2257,
0.2994

■ 50.5818, 0.2338,
0.3042

■ 53.2881, 0.2438,
0.3088

■ 56.3799, 0.2554,
0.3134

■ 59.8816, 0.2684,
0.3177

■ 63.8155, 0.2825,
0.3218

■ 68.2022, 0.2974,
0.3255

Harmonies

Analogous

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



42.9732, 0.2323, 0.3378



42.9732, 0.2125, 0.2851



42.9732, 0.2164, 0.2514

Triad

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



42.9732, 0.2125, 0.2851



42.9732, 0.3468, 0.2748



42.9732, 0.3807, 0.4274

Complementary

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



42.9732, 0.2125, 0.2851



16.4618, 0.6292, 0.3386

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.



42.9732, 0.4170, 0.3985



42.9732, 0.2125, 0.2851



42.9732, 0.3982, 0.3129

Square

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



42.9732, 0.2125, 0.2851



42.9732, 0.2894, 0.2488



42.9732, 0.4245, 0.3567



42.9732, 0.3279, 0.4284

Rectangle

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



42.9732, 0.2125, 0.2851



42.9732, 0.2317, 0.2414



42.9732, 0.4245, 0.3567



42.9732, 0.3953, 0.4201

Sweetspot

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



42.9787, 0.2125, 0.2851



81.8433, 0.2681, 0.3176



52.3449, 0.2974, 0.5907



17.0681, 0.2624, 0.3158



0.0000, 0.0000, 0.0000



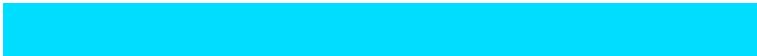
21.4041, 0.3127, 0.3290

Same Dimension

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



42.9787, 0.2125, 0.2851



58.6863, 0.2124, 0.2848



11.2206, 0.1652, 0.1147



15.2398, 0.2982, 0.3257



25.6435, 0.2127, 0.2858



1.8661, 0.2148, 0.2931

Inverse Universe

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



19.3390, 0.3588, 0.1750



26.4556, 0.3591, 0.1752



34.4684, 0.5036, 0.4383



13.9021, 0.3158, 0.3090



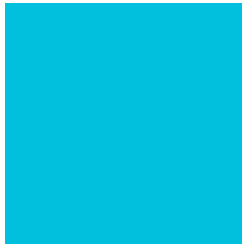
11.4968, 0.3581, 0.1747



0.8058, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 42.9732, 0.2125, 0.2851 looks on a white background.

Color Contrast Check

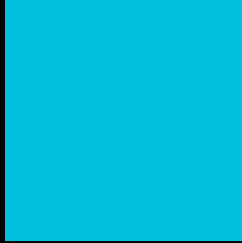
Large Text (above 18pt) WCAG AA × Fail

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 42.9732, 0.2125, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

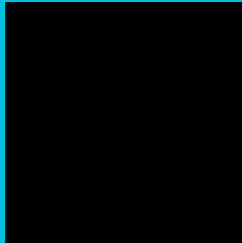
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9732, 0.2125, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 42.9732, 0.2125, 0.2851.

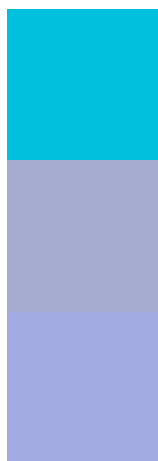


This preview shows how white text looks on a background with the Yxy color 42.9732, 0.2125, 0.2851.

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

42.9732, 0.2125, 0.2851

Protanopia

42.1661, 0.2798, 0.2818

Deuteranopia

42.4584, 0.2645, 0.2580



Tritanopia

43.1870, 0.2184, 0.3062

Trichromacy



Original Color

42.9732, 0.2125, 0.2851



Protanomaly

40.1085, 0.2381, 0.2803



Deuteranomaly

40.6195, 0.2311, 0.2651



Tritanomaly

42.9950, 0.2160, 0.2976

Monochromacy



Original Color

42.9732, 0.2125, 0.2851



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.3930, 0.2470, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9732, 0.2125, 0.2851 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, 192, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 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, 192, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 222) }
```

Border

The CSS property to change the border of an element to Yxy 42.9732, 0.2125, 0.2851 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, 192, 222) }
```

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

```
.border{ border-color:rgb(0, 192, 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, 192, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9732, 0.2125, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 222) }
```

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

```
.background{ background-color: rgb(0, 192,  
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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