

Converting Colors

$Y_{xy}(37.7392, 0.1572, 0.2677)$

Have a look what the booklet for
Yxy(37.7392, 0.1572, 0.2677)
contains.

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Color

Yxy(43.4124, 0.2096, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	00C0E6
RGB	0, 192, 230
RGB Percent	0%, 75%, 90%
CMY	1.0000, 0.2470, 0.0980
CMYK	1.00, 0.17, 0.00, 0.10
HSL	190°, 100%, 45%
HSV	190°, 100%, 90%
XYZ	33.1243, 43.4124, 81.4990
YIQ	138.9240, -126.6300, -28.8860

Conversions

Conversions Part 2

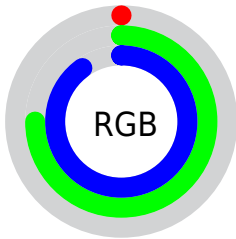
Format	Color
RYB	0, 105, 230
Decimal	49382
CIELab	71.83, -26.73, -30.15
CIELCh	72, 40.297, 228.441
Yxy	43.4124, 0.2096, 0.2747
Android (android.graphics.Color)	4278239462 (0xFF00C0E6)
YUV	138.9240, 44.9005, -121.8363
Hunter-Lab	65.8881, -25.5659, -27.2160

Details

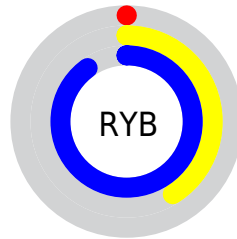
The Yxy color **43.4124, 0.2096, 0.2747** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.2093, 0.6253, 0.3417**, and the grayscale version is **25.6525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2226, 0.2395, 0.3218**, and **21.2330, 0.2060, 0.2614** is the 20% darker color. If you saturate the color by 10%, you get **43.4195, 0.2097, 0.2747**, and if you desaturate by 10%, it is **45.2918, 0.2127, 0.2806**.

Distribution



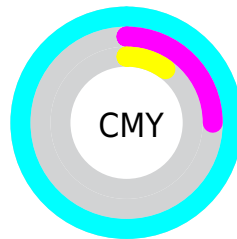
- Red (0%)
- Green (75%)
- Blue (90%)



- Red (0%)
- Yellow (41%)
- Blue (90%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4124, 0.2096, 0.2747 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 43.4124, 0.2096, 0.2747 by changing the saturation by 10% instead.


 43.4124, 0.2096,
0.2747


 43.4124, 0.2096,
0.2747


360.3050, 0.2591,
0.3033


 30.2088, 0.1980,
0.2673


 80.3328, 0.2270,
0.2853

 19.9971, 0.1837,
0.2578


 104.8184, 0.2338,
0.2892


 12.3930, 0.1657,
0.2450


 133.8336, 0.2395,
0.2925

 7.0119, 0.1424,
0.2273

 167.7625, 0.2445,
0.2953

 3.4695, 0.1120,
0.2016

 206.9898, 0.2489,
0.2977

 1.3815, 0.0700,
0.1631

251.8997, 0.2527,

 0.2030, 0.0000,

0.2998

0.0620

302.8766, 0.2561,
0.3017

■ 0.0000, 0.0000,
0.0000

■ 43.4124, 0.2096,
0.2747

■ 43.4124, 0.2096,
0.2747

■ 43.4195, 0.2097,
0.2747

■ 45.2918, 0.2127,
0.2806

■ 47.4240, 0.2173,
0.2865

■ 49.8855, 0.2239,
0.2925

■ 52.7169, 0.2324,
0.2984

■ 55.9519, 0.2428,
0.3042

■ 59.6206, 0.2547,
0.3098

■ 63.7495, 0.2680,
0.3152

■ 68.3631, 0.2823,
0.3202

■ 73.4840, 0.2973,
0.3248

Harmonies

Analogous

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



43.4124, 0.2244, 0.3249



43.4124, 0.2096, 0.2747



43.4124, 0.2188, 0.2455

Triad

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



43.4124, 0.2096, 0.2747



43.4124, 0.3603, 0.2815



43.4124, 0.3709, 0.4324

Complementary

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



43.4124, 0.2096, 0.2747



18.2093, 0.6253, 0.3417

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.



43.4124, 0.4129, 0.4077



43.4124, 0.2096, 0.2747



43.4124, 0.4085, 0.3221

Square

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



43.4124, 0.2096, 0.2747



43.4124, 0.3013, 0.2519



43.4124, 0.4279, 0.3669



43.4124, 0.3154, 0.4257

Rectangle

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



43.4124, 0.2096, 0.2747



43.4124, 0.2376, 0.2386



43.4124, 0.4279, 0.3669



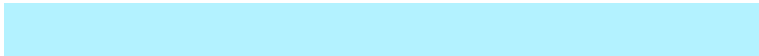
43.4124, 0.3871, 0.4270

Sweetspot

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



43.4195, 0.2097, 0.2747



80.4659, 0.2678, 0.3151



56.7146, 0.2969, 0.5889



16.7348, 0.2620, 0.3129



0.0000, 0.0000, 0.0000



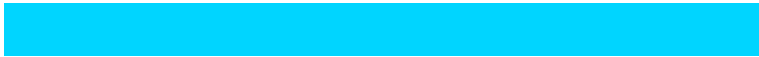
21.4041, 0.3127, 0.3290

Same Dimension

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



43.4195, 0.2097, 0.2747



54.7495, 0.2096, 0.2744



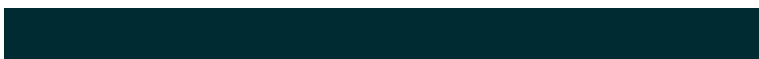
11.5245, 0.1639, 0.1099



15.9098, 0.2981, 0.3250



24.7350, 0.2099, 0.2756



1.9361, 0.2123, 0.2842

Inverse Universe

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



20.6302, 0.3684, 0.1803



26.0581, 0.3687, 0.1805



38.4781, 0.4991, 0.4419



14.5722, 0.3163, 0.3096



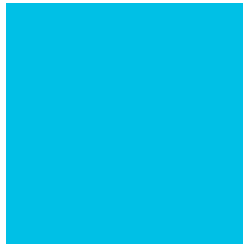
11.6947, 0.3675, 0.1798



0.8751, 0.3596, 0.1754

Previews

White Background



This preview shows how the Yxy color 43.4124, 0.2096, 0.2747 looks on a white background.

Color Contrast Check

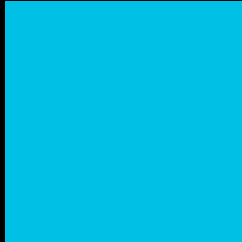
Large Text (above 18pt) WCAG AA × Fail

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 43.4124, 0.2096, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

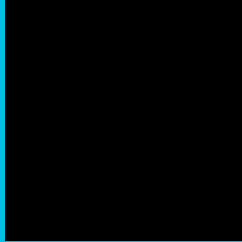
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4124, 0.2096, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 43.4124, 0.2096, 0.2747.



This preview shows how white text looks on a background with the Yxy color 43.4124, 0.2096, 0.2747.

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

43.4124, 0.2096, 0.2747

Protanopia

42.8443, 0.2735, 0.2735

Deuteranopia

42.8741, 0.2569, 0.2500



Tritanopia

43.2367, 0.2180, 0.3048

Trichromacy



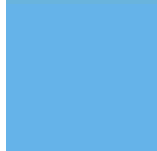
Original Color

43.4124, 0.2096, 0.2747



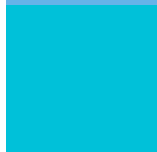
Protanomaly

40.8662, 0.2339, 0.2715



Deuteranomaly

40.8901, 0.2260, 0.2553



Tritanomaly

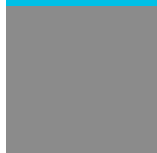
43.1497, 0.2148, 0.2934

Monochromacy



Original Color

43.4124, 0.2096, 0.2747



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.5070, 0.2451, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4124, 0.2096, 0.2747 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 230) }
```

Border

The CSS property to change the border of an element to Yxy 43.4124, 0.2096, 0.2747 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, 230) }
```

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

```
.border{ border-color:rgb(0, 192, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4124, 0.2096, 0.2747 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, 230) }
```

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

```
.background{ background-color: rgb(0, 192,  
230) }
```

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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