

Converting Colors

$Y_{xy}(37.8089, 0.1528, 0.2496)$

Have a look what the booklet for
Yxy(37.8089, 0.1528, 0.2496)
contains.

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Color

Yxy(43.7327, 0.2048, 0.2573)

Conversions

Conversions Part 1

Format	Color
Hex	00BFF3
RGB	0, 191, 243
RGB Percent	0%, 75%, 95%
CMY	1.0000, 0.2510, 0.0469
CMYK	1.00, 0.21, 0.00, 0.05
HSL	193°, 100%, 48%
HSV	193°, 100%, 95%
XYZ	34.8094, 43.7327, 91.4256
YIQ	139.8190, -130.5280, -24.3200

Conversions

Conversions Part 2

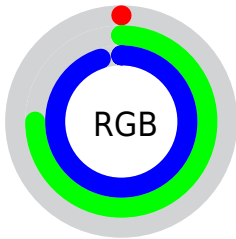
Format	Color
RYB	0, 107, 243
Decimal	49139
CIELab	72.05, -21.79, -36.87
CIELCh	72, 42.832, 239.416
Yxy	43.7327, 0.2048, 0.2573
Android (android.graphics.Color)	4278239219 (0xFF00BFF3)
YUV	139.8190, 50.8682, -122.6213
Hunter-Lab	66.1307, -21.7712, -35.6769

Details

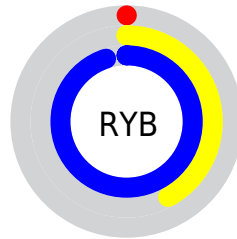
The Yxy color **43.7327, 0.2048, 0.2573** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.5192, 0.6175, 0.3479**, and the grayscale version is **25.9908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1210, 0.2397, 0.3194**, and **21.4792, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **43.7358, 0.2048, 0.2573**, and if you desaturate by 10%, it is **46.2436, 0.2084, 0.2651**.

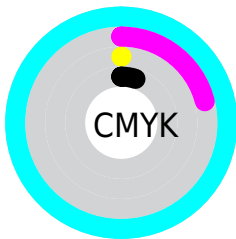
Distribution



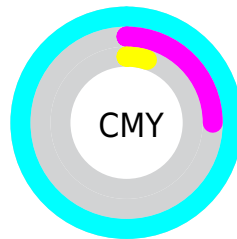
- Red (0%)
- Green (75%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (25%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7327, 0.2048, 0.2573 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 43.7327, 0.2048, 0.2573 by changing the saturation by 10% instead.


 43.7327, 0.2048,
0.2573


 43.7327, 0.2048,
0.2573


361.6164, 0.2563,
0.2939


 30.4604, 0.1930,
0.2482


 80.8154, 0.2228,
0.2706

 20.1883, 0.1784,
0.2366


 105.3946, 0.2298,
0.2756


 12.5320, 0.1602,
0.2216


 134.5115, 0.2357,
0.2799

 7.1071, 0.1371,
0.2013

 168.5506, 0.2409,
0.2835

 3.5292, 0.1074,
0.1733

 207.8962, 0.2455,
0.2867

 1.4138, 0.0696,
0.1337

252.9328, 0.2495,

 0.2269, 0.0000,

0.2894

0.0504

304.0447, 0.2531,
0.2918

■ 0.0000, 0.0000,
0.0000

■ 43.7327, 0.2048,
0.2573

■ 43.7327, 0.2048,
0.2573

■ 43.7358, 0.2048,
0.2573

■ 46.2436, 0.2084,
0.2651

■ 49.0803, 0.2137,
0.2730

■ 52.3237, 0.2209,
0.2810

■ 56.0205, 0.2301,
0.2889

■ 60.2102, 0.2411,
0.2966

■ 64.9274, 0.2537,
0.3040

■ 70.2030, 0.2674,
0.3110

■ 76.0655, 0.2821,
0.3175

■ 82.5411, 0.2973,
0.3235

Harmonies

Analogous

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



43.7327, 0.2109, 0.3027



43.7327, 0.2048, 0.2573



43.7327, 0.2233, 0.2357

Triad

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



43.7327, 0.2048, 0.2573



43.7327, 0.3844, 0.2934



43.7327, 0.3532, 0.4409

Complementary

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



43.7327, 0.2048, 0.2573



21.5192, 0.6175, 0.3479

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.



43.7327, 0.4047, 0.4243



43.7327, 0.2048, 0.2573



43.7327, 0.4261, 0.3384

Square

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



43.7327, 0.2048, 0.2573



43.7327, 0.3232, 0.2575



43.7327, 0.4328, 0.3852



43.7327, 0.2935, 0.4196

Rectangle

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



43.7327, 0.2048, 0.2573



43.7327, 0.2485, 0.2341



43.7327, 0.4328, 0.3852



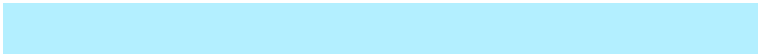
43.7327, 0.3720, 0.4390

Sweetspot

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



43.7358, 0.2048, 0.2573



78.2563, 0.2673, 0.3109



64.3392, 0.2951, 0.5822



16.2014, 0.2614, 0.3080



0.0000, 0.0000, 0.0000



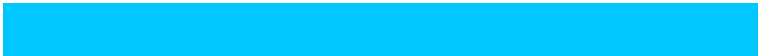
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7358, 0.2048, 0.2573



48.7177, 0.2048, 0.2571



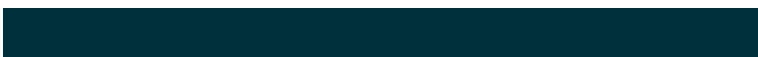
11.2263, 0.1603, 0.0970



18.1203, 0.2980, 0.3238



24.2012, 0.2052, 0.2586



2.2735, 0.2079, 0.2684

Inverse Universe

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



22.8222, 0.3850, 0.1895



25.4492, 0.3852, 0.1896



47.8561, 0.4857, 0.4525



16.7040, 0.3171, 0.3106



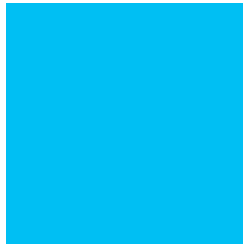
12.5425, 0.3838, 0.1888



1.1171, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 43.7327, 0.2048, 0.2573 looks on a white background.

Color Contrast Check

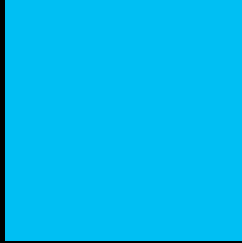
Large Text (above 18pt) WCAG AA × Fail

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 43.7327, 0.2048, 0.2573 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 43.7327, 0.2048, 0.2573

Background



This preview shows how black text looks on a background with the Yxy color 43.7327, 0.2048, 0.2573.

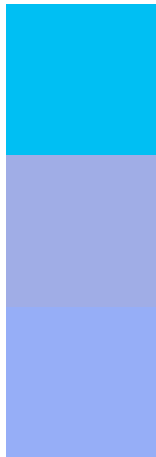


This preview shows how white text looks on a background with the Yxy color 43.7327, 0.2048, 0.2573.

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

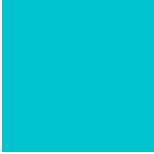
43.7327, 0.2048, 0.2573

Protanopia

43.0739, 0.2608, 0.2569

Deuteranopia

43.4715, 0.2445, 0.2388



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



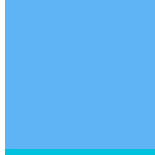
Original Color

43.7327, 0.2048, 0.2573



Protanomaly

41.4655, 0.2258, 0.2545



Deuteranomaly

41.7292, 0.2182, 0.2417



Tritanomaly

43.8575, 0.2134, 0.2882

Monochromacy



Original Color

43.7327, 0.2048, 0.2573



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.0944, 0.2429, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7327, 0.2048, 0.2573 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, 191, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 243)  
}
```

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, 191, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 243) }
```

Border

The CSS property to change the border of an element to Yxy 43.7327, 0.2048, 0.2573 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, 191, 243) }
```

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

```
.border{ border-color:rgb(0, 191, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7327, 0.2048, 0.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 243) }
```

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

```
.background{ background-color: rgb(0, 191,  
243) }
```

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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