

Converting Colors

$Y_{xy}(43.8189, 0.2014, 0.2450)$

Have a look what the booklet for
Yxy(43.8189, 0.2014, 0.2450)
contains.

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Color

Yxy(43.8552, 0.2016, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	00BEFC
RGB	0, 190, 252
RGB Percent	0%, 75%, 99%
CMY	0.9991, 0.2549, 0.0118
CMYK	1.00, 0.25, 0.00, 0.01
HSL	195°, 100%, 49%
HSV	195°, 100%, 99%
XYZ	35.9838, 43.8552, 98.6519
YIQ	140.2580, -133.1420, -20.9980

Conversions

Conversions Part 2

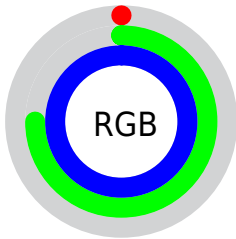
Format	Color
RYB	0, 108, 252
Decimal	48892
CIELab	72.13, -18.17, -41.58
CIELCh	72, 45.374, 246.396
Yxy	43.8552, 0.2016, 0.2457
Android (android.graphics.Color)	4278238972 (0xFF00BEFC)
YUV	140.2580, 55.0888, -123.0063
Hunter-Lab	66.2233, -18.8991, -41.9672

Details

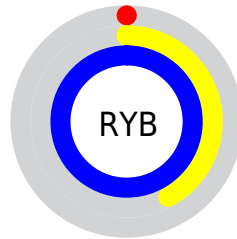
The Yxy color **43.8552, 0.2016, 0.2457** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **24.1619, 0.6113, 0.3527**, and the grayscale version is **26.1793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6422, 0.2401, 0.3183**, and **21.8315, 0.1969, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **43.8309, 0.2016, 0.2456**, and if you desaturate by 10%, it is **46.8125, 0.2056, 0.2548**.

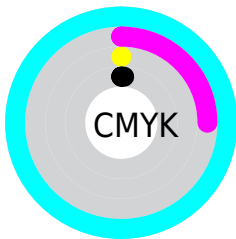
Distribution



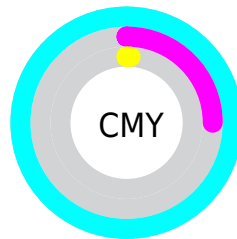
- Red (0%)
- Green (75%)
- Blue (99%)



- Red (0%)
- Yellow (42%)
- Blue (99%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (25%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8552, 0.2016, 0.2457 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 43.8552, 0.2016, 0.2457 by changing the saturation by 10% instead.


 43.8552, 0.2016,
0.2457

 43.8552, 0.2016,
0.2457


 362.1171, 0.2543,
0.2875


 30.5567, 0.1896,
0.2356


 80.9998, 0.2199,
0.2607


 20.2615, 0.1749,
0.2229


 105.6147, 0.2271,
0.2664


 12.5853, 0.1566,
0.2065


 134.7705, 0.2332,
0.2713

 7.1436, 0.1336,
0.1850

 168.8516, 0.2386,
0.2754

 3.5521, 0.1044,
0.1561

 208.2424, 0.2432,
0.2791

 1.4263, 0.0682,
0.1168

253.3274, 0.2474,

 0.2360, 0.0000,

0.2822

0.0429

304.4908, 0.2510,
0.2850

■ 0.0000, 0.0000,
0.0000

■ 43.8552, 0.2016,
0.2457

■ 43.8552, 0.2016,
0.2457

■ 43.8309, 0.2016,
0.2456

■ 46.8125, 0.2056,
0.2548

■ 50.1553, 0.2113,
0.2641

■ 53.9686, 0.2190,
0.2734

■ 58.3038, 0.2287,
0.2826

■ 63.2046, 0.2402,
0.2915

■ 68.7091, 0.2531,
0.3001

■ 74.8517, 0.2671,
0.3082

■ 81.6637, 0.2820,
0.3158

■ 89.1743, 0.2974,
0.3227

Harmonies

Analogous

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



43.8552, 0.2018, 0.2875



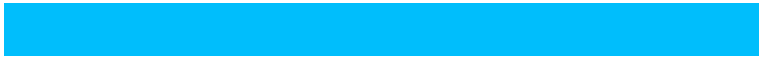
43.8552, 0.2016, 0.2457



43.8552, 0.2267, 0.2292

Triad

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



43.8552, 0.2016, 0.2457



43.8552, 0.4015, 0.3017



43.8552, 0.3404, 0.4465

Complementary

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



43.8552, 0.2016, 0.2457



24.1619, 0.6113, 0.3527

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.



43.8552, 0.3984, 0.4364



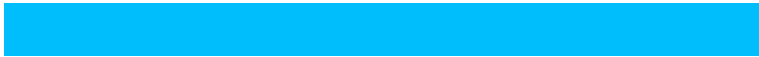
43.8552, 0.2016, 0.2457



43.8552, 0.4379, 0.3498

Square

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



43.8552, 0.2016, 0.2457



43.8552, 0.3393, 0.2614



43.8552, 0.4355, 0.3983



43.8552, 0.2780, 0.4142

Rectangle

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



43.8552, 0.2016, 0.2457



43.8552, 0.2565, 0.2311



43.8552, 0.4355, 0.3983



43.8552, 0.3611, 0.4474

Sweetspot

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



43.8567, 0.2016, 0.2457



76.8303, 0.2670, 0.3082



69.9294, 0.2935, 0.5766



15.8581, 0.2609, 0.3048



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.



43.8567, 0.2016, 0.2457



45.0148, 0.2016, 0.2456



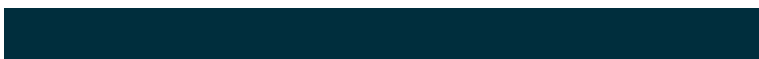
11.0866, 0.1582, 0.0895



18.8421, 0.2980, 0.3230



23.0789, 0.2020, 0.2472



2.3034, 0.2050, 0.2581

Inverse Universe

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



24.4157, 0.3965, 0.1958



25.0754, 0.3967, 0.1959



55.3291, 0.4771, 0.4594



17.4472, 0.3176, 0.3113



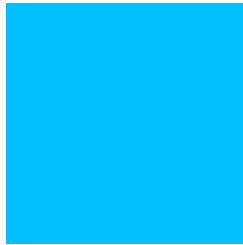
12.7407, 0.3951, 0.1950



1.1968, 0.3843, 0.1890

Previews

White Background



This preview shows how the Yxy color 43.8552, 0.2016, 0.2457 looks on a white background.

Color Contrast Check

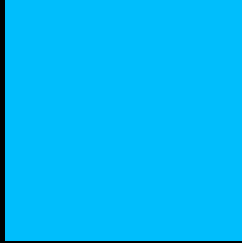
Large Text (above 18pt) WCAG AA × Fail

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 43.8552, 0.2016, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

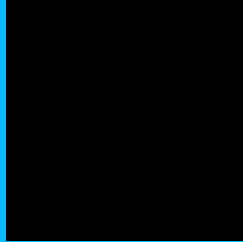
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.8552, 0.2016, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 43.8552, 0.2016, 0.2457.



This preview shows how white text looks on a background with the Yxy color 43.8552, 0.2016, 0.2457.

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

43.8552, 0.2016, 0.2457

Protanopia

43.1871, 0.2526, 0.2467

Deuteranopia

43.3317, 0.2362, 0.2299



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



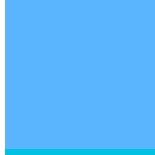
Original Color

43.8552, 0.2016, 0.2457



Protanomaly

41.4245, 0.2203, 0.2428



Deuteranomaly

42.0224, 0.2136, 0.2329



Tritanomaly

43.5762, 0.2119, 0.2827

Monochromacy



Original Color

43.8552, 0.2016, 0.2457



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9138, 0.2402, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8552, 0.2016, 0.2457 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, 190, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 252)  
}
```

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, 190, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 252) }
```

Border

The CSS property to change the border of an element to Yxy 43.8552, 0.2016, 0.2457 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, 190, 252) }
```

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

```
.border{ border-color:rgb(0, 190, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 190, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8552, 0.2016, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 252) }
```

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

```
.background{ background-color: rgb(0, 190,  
252) }
```

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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