

Converting Colors

$Y_{xy}(38.0581, 0.1298, 0.1830)$

Have a look what the booklet for
Yxy(38.0581, 0.1298, 0.1830)
contains.

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Color

Yxy(43.6152, 0.2003, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	00BDFF
RGB	0, 189, 255
RGB Percent	0%, 74%, 100%
CMY	0.9986, 0.2588, 0.0000
CMYK	1.00, 0.26, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	36.2495, 43.6152, 101.1113
YIQ	140.0130, -133.8300, -19.5420

Conversions

Conversions Part 2

Format	Color
RYB	0, 109, 255
Decimal	48639
CIELab	71.97, -16.59, -43.45
CIELCh	72, 46.508, 249.107
Yxy	43.6152, 0.2003, 0.2410
Android (android.graphics.Color)	4278238719 (0xFF00BDFF)
YUV	140.0130, 56.6886, -122.7914
Hunter-Lab	66.0418, -17.5969, -44.5448

Details

The Yxy color **43.6152, 0.2003, 0.2410** 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 **25.1974, 0.6086, 0.3549**, and the grayscale version is **26.0882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0355, 0.2398, 0.3171**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **43.5751, 0.2003, 0.2409**, and if you desaturate by 10%, it is **46.7405, 0.2044, 0.2506**.

Distribution



- Red (0%)
- Green (74%)
- Blue (100%)



- Red (0%)
- Yellow (43%)
- Blue (100%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6152, 0.2003, 0.2410 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 43.6152, 0.2003, 0.2410 by changing the saturation by 10% instead.


 43.6152, 0.2003,
0.2410


 43.6152, 0.2003,
0.2410


361.1357, 0.2536,
0.2849


 30.3681, 0.1882,
0.2305


 80.6384, 0.2188,
0.2567

 20.1182, 0.1734,
0.2173

 105.1833, 0.2260,
0.2627


 12.4810, 0.1550,
0.2004


 134.2629, 0.2322,
0.2678

 7.0721, 0.1320,
0.1784

 168.2617, 0.2376,
0.2722

 3.5072, 0.1029,
0.1492

 207.5639, 0.2424,
0.2760

 1.4019, 0.0671,
0.1100

252.5541, 0.2465,

 0.2182, 0.0000,

0.2793

0.0374

303.6165, 0.2503,
0.2823

■ 0.0000, 0.0000,
0.0000

■ 43.6152, 0.2003,
0.2410

■ 43.6152, 0.2003,
0.2410

■ 43.5751, 0.2003,
0.2409

■ 46.7405, 0.2044,
0.2506

■ 50.2754, 0.2103,
0.2604

■ 54.3066, 0.2183,
0.2703

■ 58.8873, 0.2281,
0.2800

■ 64.0627, 0.2398,
0.2895

■ 69.8723, 0.2529,
0.2986

■ 76.3516, 0.2671,
0.3071

■ 83.5331, 0.2820,
0.3151

■ 91.4470, 0.2974,
0.3224

Harmonies

Analogous

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



43.6152, 0.1981, 0.2813



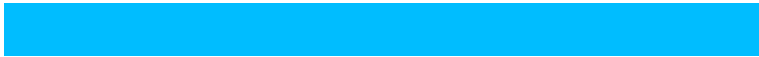
43.6152, 0.2003, 0.2410



43.6152, 0.2281, 0.2265

Triad

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



43.6152, 0.2003, 0.2410



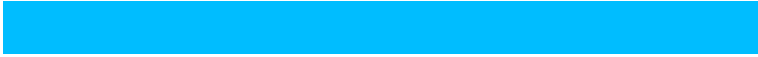
43.6152, 0.4087, 0.3051



43.6152, 0.3350, 0.4488

Complementary

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



43.6152, 0.2003, 0.2410



25.1974, 0.6086, 0.3549

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.



43.6152, 0.3956, 0.4415



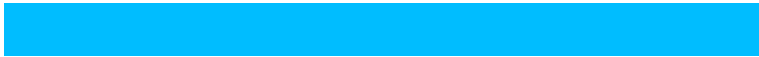
43.6152, 0.2003, 0.2410



43.6152, 0.4428, 0.3546

Square

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



43.6152, 0.2003, 0.2410



43.6152, 0.3461, 0.2630



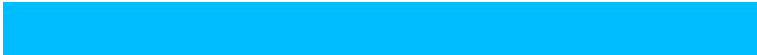
43.6152, 0.4364, 0.4038



43.6152, 0.2716, 0.4117

Rectangle

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



43.6152, 0.2003, 0.2410



43.6152, 0.2600, 0.2299



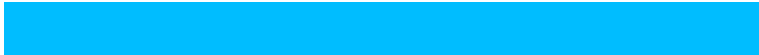
43.6152, 0.4364, 0.4038



43.6152, 0.3564, 0.4510

Sweetspot

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



43.6167, 0.2003, 0.2410



76.2601, 0.2669, 0.3070



71.8899, 0.2926, 0.5734



15.7210, 0.2608, 0.3035



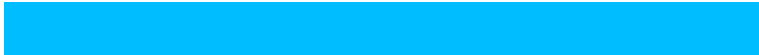
0.0000, 0.0000, 0.0000



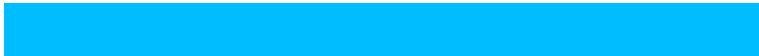
21.4041, 0.3127, 0.3290

Same Dimension

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



43.6167, 0.2003, 0.2410



43.5767, 0.2003, 0.2409



10.8903, 0.1573, 0.0861



19.6376, 0.2980, 0.3227



23.0244, 0.2007, 0.2425



2.4186, 0.2038, 0.2535

Inverse Universe

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



24.9409, 0.4013, 0.1985



24.9302, 0.4014, 0.1985



58.6678, 0.4728, 0.4627



18.2152, 0.3178, 0.3116



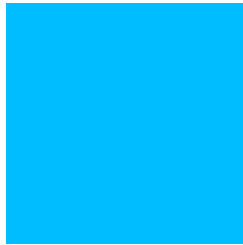
13.0523, 0.3998, 0.1976



1.2887, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 43.6152, 0.2003, 0.2410 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 43.6152, 0.2003, 0.2410 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 43.6152, 0.2003, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 43.6152, 0.2003, 0.2410.

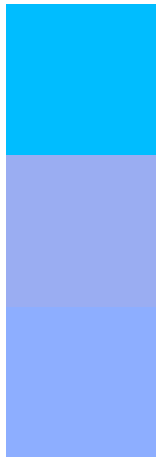


This preview shows how white text looks on a background with the Yxy color 43.6152, 0.2003, 0.2410.

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

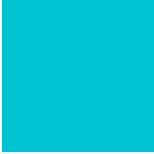
43.6152, 0.2003, 0.2410

Protanopia

43.1680, 0.2496, 0.2432

Deuteranopia

43.1548, 0.2350, 0.2296



Tritanopia

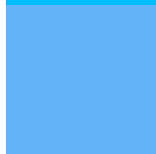
43.6337, 0.2188, 0.3078

Trichromacy



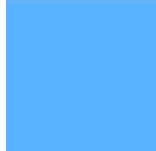
Original Color

43.6152, 0.2003, 0.2410



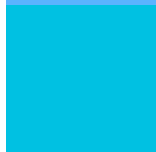
Protanomaly

41.5523, 0.2187, 0.2395



Deuteranomaly

41.6339, 0.2125, 0.2305



Tritanomaly

43.6309, 0.2115, 0.2814

Monochromacy



Original Color

43.6152, 0.2003, 0.2410



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9550, 0.2396, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6152, 0.2003, 0.2410 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, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 255)  
}
```

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, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.6152, 0.2003, 0.2410 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, 189, 255) }
```

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

```
.border{ border-color:rgb(0, 189, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6152, 0.2003, 0.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 255) }
```

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

```
.background{ background-color: rgb(0, 189,  
255) }
```

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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