

Converting Colors

$Y_{xy}(37.7690, 0.1503, 0.2328)$

Have a look what the booklet for
Yxy(37.7690, 0.1503, 0.2328)
contains.

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Color

Yxy(43.9827, 0.2010, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	00BEFE
RGB	0, 190, 254
RGB Percent	0%, 75%, 100%
CMY	0.9981, 0.2549, 0.0039
CMYK	1.00, 0.25, 0.00, 0.00
HSL	195°, 100%, 50%
HSV	195°, 100%, 100%
XYZ	36.3060, 43.9827, 100.3384
YIQ	140.4860, -133.7840, -20.3760

Conversions

Conversions Part 2

Format	Color
RYB	0, 109, 254
Decimal	48894
CIELab	72.22, -17.46, -42.53
CIELCh	72, 45.972, 247.679
Yxy	43.9827, 0.2010, 0.2435
Android (android.graphics.Color)	4278238974 (0xFF00BEFE)
YUV	140.4860, 55.9624, -123.2062
Hunter-Lab	66.3195, -18.3407, -43.2795

Details

The Yxy color **43.9827, 0.2010, 0.2435** 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 **24.7921, 0.6099, 0.3538**, and the grayscale version is **26.2990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6422, 0.2401, 0.3183**, and **21.9225, 0.1961, 0.2260** is the 20% darker color. If you saturate the color by 10%, you get **43.9290, 0.2009, 0.2433**, and if you desaturate by 10%, it is **47.0381, 0.2051, 0.2529**.

Distribution



- Red (0%)
- Green (75%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9827, 0.2010, 0.2435 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 43.9827, 0.2010, 0.2435 by changing the saturation by 10% instead.

 43.9827, 0.2010,
0.2435

 43.9827, 0.2010,
0.2435


362.6377, 0.2539,
0.2862


 30.6569, 0.1890,
0.2332


 81.1917, 0.2194,
0.2588


 20.3377, 0.1743,
0.2203


 105.8437, 0.2266,
0.2647

 12.6408, 0.1560,
0.2038


 135.0399, 0.2327,
0.2696

 7.1817, 0.1330,
0.1821

 169.1647, 0.2381,
0.2739

 3.5760, 0.1040,
0.1531

 208.6025, 0.2428,
0.2776

 1.4393, 0.0681,
0.1141

253.7376, 0.2469,

 0.2454, 0.0000,

0.2808

0.0427

304.9546, 0.2506,
0.2837

■ 0.0000, 0.0000,
0.0000

■ 43.9827, 0.2010,
0.2435

■ 43.9827, 0.2010,
0.2435

■ 43.9290, 0.2009,
0.2433

■ 47.0381, 0.2051,
0.2529

■ 50.4939, 0.2109,
0.2624

■ 54.4352, 0.2187,
0.2719

■ 58.9148, 0.2285,
0.2814

■ 63.9770, 0.2401,
0.2906

■ 69.6609, 0.2531,
0.2994

■ 76.0016, 0.2672,
0.3078

■ 83.0312, 0.2821,
0.3155

■ 90.7794, 0.2975,
0.3226

Harmonies

Analogous

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



43.9827, 0.2001, 0.2846



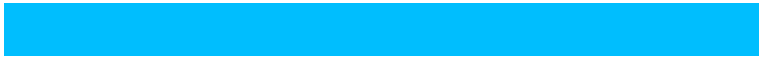
43.9827, 0.2010, 0.2435



43.9827, 0.2273, 0.2280

Triad

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



43.9827, 0.2010, 0.2435



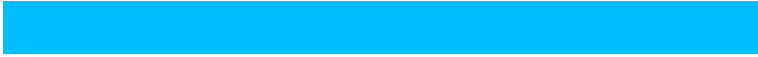
43.9827, 0.4048, 0.3033



43.9827, 0.3379, 0.4475

Complementary

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



43.9827, 0.2010, 0.2435



24.7921, 0.6099, 0.3538

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.



43.9827, 0.3971, 0.4387



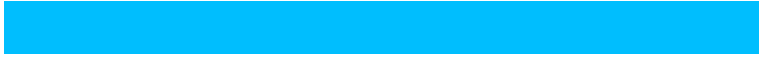
43.9827, 0.2010, 0.2435



43.9827, 0.4402, 0.3521

Square

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



43.9827, 0.2010, 0.2435



43.9827, 0.3424, 0.2621



43.9827, 0.4359, 0.4009



43.9827, 0.2750, 0.4130

Rectangle

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



43.9827, 0.2010, 0.2435



43.9827, 0.2581, 0.2305



43.9827, 0.4359, 0.4009



43.9827, 0.3589, 0.4491

Sweetspot

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



43.9842, 0.2010, 0.2435



76.5556, 0.2669, 0.3076



71.2532, 0.2926, 0.5733



15.7920, 0.2609, 0.3042



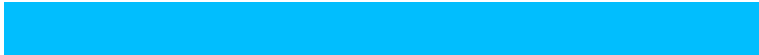
0.0000, 0.0000, 0.0000



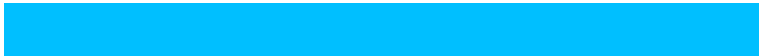
21.4041, 0.3127, 0.3290

Same Dimension

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



43.9842, 0.2010, 0.2435



44.3189, 0.2009, 0.2433



10.8093, 0.1573, 0.0862



19.6592, 0.2980, 0.3229



23.4085, 0.2014, 0.2449



2.4533, 0.2043, 0.2556

Inverse Universe

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



24.7982, 0.3987, 0.1971



25.0052, 0.3989, 0.1971



58.1660, 0.4727, 0.4627



18.2174, 0.3177, 0.3114



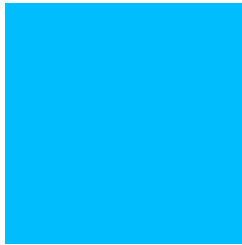
13.0911, 0.3974, 0.1963



1.2922, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 43.9827, 0.2010, 0.2435 looks on a white background.

Color Contrast Check

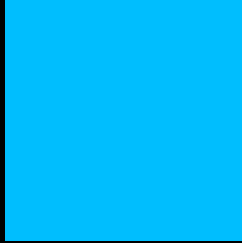
Large Text (above 18pt) WCAG AA × Fail

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 43.9827, 0.2010, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

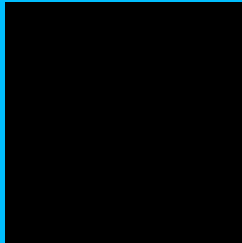
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9827, 0.2010, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 43.9827, 0.2010, 0.2435.

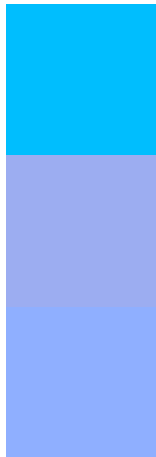


This preview shows how white text looks on a background with the Yxy color 43.9827, 0.2010, 0.2435.

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

43.9827, 0.2010, 0.2435

Protanopia

43.3059, 0.2515, 0.2446

Deuteranopia

43.7196, 0.2364, 0.2312



Tritanopia

44.1330, 0.2189, 0.3079

Trichromacy



Original Color

43.9827, 0.2010, 0.2435



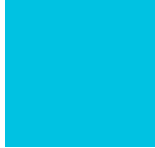
Protanomaly

41.5467, 0.2195, 0.2406



Deuteranomaly

42.0867, 0.2132, 0.2319



Tritanomaly

44.0746, 0.2119, 0.2829

Monochromacy



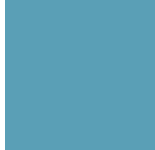
Original Color

43.9827, 0.2010, 0.2435



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.3473, 0.2405, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9827, 0.2010, 0.2435 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 254) }
```

Border

The CSS property to change the border of an element to Yxy 43.9827, 0.2010, 0.2435 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, 254) }
```

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

```
.border{ border-color:rgb(0, 190, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9827, 0.2010, 0.2435 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, 254) }
```

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

```
.background{ background-color: rgb(0, 190,  
254) }
```

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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