

Converting Colors

$Y_{xy}(35.3264, 0.1275, 0.2378)$

Have a look what the booklet for
Yxy(35.3264, 0.1275, 0.2378)
contains.

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Color

Yxy(44.0389, 0.2032, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	00BFF8
RGB	0, 191, 248
RGB Percent	0%, 75%, 97%
CMY	1.0000, 0.2509, 0.0275
CMYK	1.00, 0.23, 0.00, 0.03
HSL	194°, 100%, 49%
HSV	194°, 100%, 97%
XYZ	35.5672, 44.0389, 95.4293
YIQ	140.3890, -132.1330, -22.7650

Conversions

Conversions Part 2

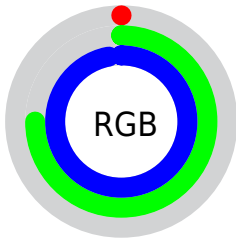
Format	Color
RYB	0, 108, 248
Decimal	49144
CIELab	72.25, -20.10, -39.23
CIELCh	72, 44.084, 242.875
Yxy	44.0389, 0.2032, 0.2516
Android (android.graphics.Color)	4278239224 (0xFF00BFF8)
YUV	140.3890, 53.0522, -123.1212
Hunter-Lab	66.3618, -20.4645, -38.8066

Details

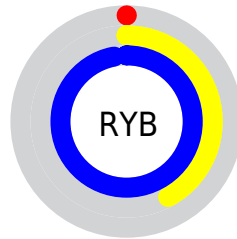
The Yxy color **44.0389, 0.2032, 0.2516** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.8806, 0.6147, 0.3501**, and the grayscale version is **26.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1863, 0.2400, 0.3194**, and **21.9385, 0.1989, 0.2359** is the 20% darker color. If you saturate the color by 10%, you get **44.0444, 0.2032, 0.2516**, and if you desaturate by 10%, it is **46.7828, 0.2070, 0.2601**.

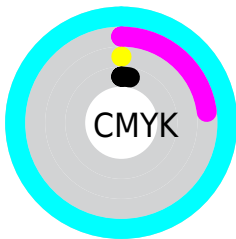
Distribution



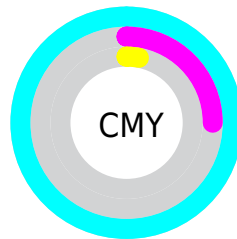
- Red (0%)
- Green (75%)
- Blue (97%)



- Red (0%)
- Yellow (42%)
- Blue (97%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (25%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0389, 0.2032, 0.2516 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 44.0389, 0.2032, 0.2516 by changing the saturation by 10% instead.


 44.0389, 0.2032,
0.2516

 44.0389, 0.2032,
0.2516


362.8670, 0.2552,
0.2908


 30.7011, 0.1913,
0.2420


 81.2763, 0.2213,
0.2658

 20.3713, 0.1767,
0.2299

 105.9446, 0.2284,
0.2711


 12.6653, 0.1585,
0.2142

 135.1586, 0.2344,
0.2756

 7.1985, 0.1355,
0.1934

 169.3027, 0.2397,
0.2795

 3.5865, 0.1062,
0.1650

 208.7611, 0.2443,
0.2829

 1.4451, 0.0694,
0.1256

253.9184, 0.2484,

 0.2496, 0.0000,

0.2859

0.0493

305.1589, 0.2520,
0.2885

■ 0.0000, 0.0000,
0.0000

■ 44.0389, 0.2032,
0.2516

■ 44.0389, 0.2032,
0.2516

■ 44.0444, 0.2032,
0.2516

■ 46.7828, 0.2070,
0.2601

■ 49.8787, 0.2125,
0.2686

■ 53.4133, 0.2200,
0.2772

■ 57.4362, 0.2294,
0.2857

■ 61.9890, 0.2406,
0.2941

■ 67.1081, 0.2533,
0.3020

■ 72.8265, 0.2672,
0.3096

■ 79.1740, 0.2820,
0.3166

■ 86.1785, 0.2972,
0.3231

Harmonies

Analogous

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



44.0389, 0.2064, 0.2953



44.0389, 0.2032, 0.2516



44.0389, 0.2249, 0.2325

Triad

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



44.0389, 0.2032, 0.2516



44.0389, 0.3926, 0.2974



44.0389, 0.3470, 0.4437

Complementary

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



44.0389, 0.2032, 0.2516



22.8806, 0.6147, 0.3501

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.



44.0389, 0.4018, 0.4301



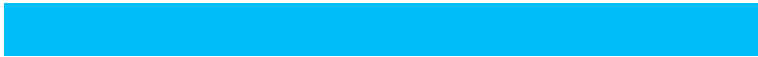
44.0389, 0.2032, 0.2516



44.0389, 0.4319, 0.3439

Square

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



44.0389, 0.2032, 0.2516



44.0389, 0.3309, 0.2594



44.0389, 0.4343, 0.3915



44.0389, 0.2860, 0.4171

Rectangle

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



44.0389, 0.2032, 0.2516



44.0389, 0.2523, 0.2326



44.0389, 0.4343, 0.3915



44.0389, 0.3668, 0.4431

Sweetspot

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



44.0444, 0.2032, 0.2516



77.5573, 0.2672, 0.3096



67.3967, 0.2943, 0.5796



16.0330, 0.2612, 0.3064



0.0000, 0.0000, 0.0000



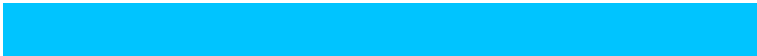
21.4041, 0.3127, 0.3290

Same Dimension

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



44.0444, 0.2032, 0.2516



46.8837, 0.2032, 0.2515



11.1908, 0.1592, 0.0930



18.8925, 0.2980, 0.3234



24.0163, 0.2036, 0.2530



2.3831, 0.2064, 0.2631

Inverse Universe

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



23.7180, 0.3906, 0.1926



25.2641, 0.3908, 0.1926



51.6898, 0.4814, 0.4559



17.4523, 0.3173, 0.3109



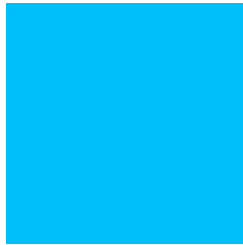
12.8354, 0.3893, 0.1918



1.2048, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 44.0389, 0.2032, 0.2516 looks on a white background.

Color Contrast Check

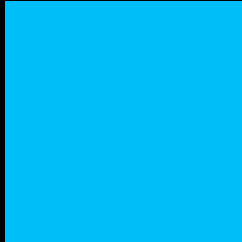
Large Text (above 18pt) WCAG AA × Fail

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 44.0389, 0.2032, 0.2516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

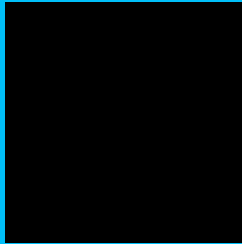
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.0389, 0.2032, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 44.0389, 0.2032, 0.2516.



This preview shows how white text looks on a background with the Yxy color 44.0389, 0.2032, 0.2516.

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

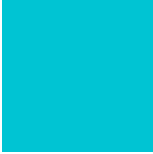
44.0389, 0.2032, 0.2516

Protanopia

43.6412, 0.2572, 0.2526

Deuteranopia

43.5034, 0.2400, 0.2334



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



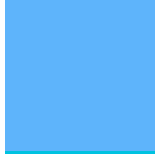
Original Color

44.0389, 0.2032, 0.2516



Protanomaly

41.7005, 0.2232, 0.2488



Deuteranomaly

41.9872, 0.2158, 0.2363



Tritanomaly

43.9654, 0.2126, 0.2855

Monochromacy



Original Color

44.0389, 0.2032, 0.2516



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.1748, 0.2417, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0389, 0.2032, 0.2516 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, 248)` looks like.

```
.text, #text, p{  
  color:rgb(0, 191, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 248) }
```

Border

The CSS property to change the border of an element to Yxy 44.0389, 0.2032, 0.2516 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, 248) }
```

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

```
.border{ border-color:rgb(0, 191, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0389, 0.2032, 0.2516 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, 248) }
```

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

```
.background{ background-color: rgb(0, 191,  
248) }
```

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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