

Converting Colors

$Yxy(43.9574, 0.2034, 0.2562)$

Have a look what the booklet for
Yxy(43.9574, 0.2034, 0.2562)
contains.

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Color

Yxy(44.2918, 0.2046, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	00C0F5
RGB	0, 192, 245
RGB Percent	0%, 75%, 96%
CMY	0.9991, 0.2470, 0.0393
CMYK	1.00, 0.22, 0.00, 0.04
HSL	193°, 100%, 48%
HSV	193°, 100%, 96%
XYZ	35.3298, 44.2918, 93.0559
YIQ	140.6340, -131.4450, -24.2210

Conversions

Conversions Part 2

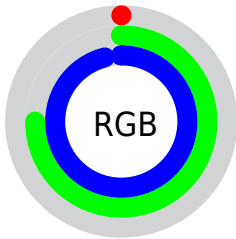
Format	Color
RYB	0, 108, 245
Decimal	49397
CIELab	72.42, -21.63, -37.34
CIELCh	72, 43.156, 239.921
Yxy	44.2918, 0.2046, 0.2565
Android (android.graphics.Color)	4278239477 (0xFF00C0F5)
YUV	140.6340, 51.4524, -123.3360
Hunter-Lab	66.5521, -21.7077, -36.3153

Details

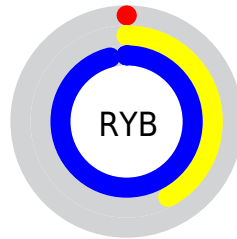
The Yxy color **44.2918, 0.2046, 0.2565** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.9738, 0.6170, 0.3482**, and the grayscale version is **26.3465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4161, 0.2405, 0.3218**, and **21.8511, 0.1997, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **44.2706, 0.2046, 0.2564**, and if you desaturate by 10%, it is **46.8658, 0.2082, 0.2644**.

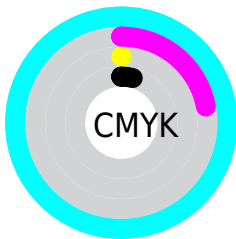
Distribution



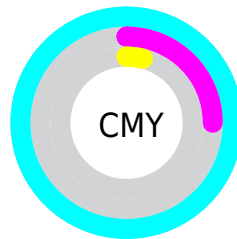
- Red (0%)
- Green (75%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2918, 0.2046, 0.2565 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 44.2918, 0.2046, 0.2565 by changing the saturation by 10% instead.


 44.2918, 0.2046,
0.2565

 44.2918, 0.2046,
0.2565

 363.8977, 0.2560,
0.2934


 30.9000, 0.1928,
0.2474


 81.6567, 0.2225,
0.2699


 20.5227, 0.1783,
0.2358


 106.3985, 0.2295,
0.2750


 12.7756, 0.1603,
0.2207


 135.6924, 0.2355,
0.2792

 7.2742, 0.1373,
0.2006

 169.9229, 0.2407,
0.2829

 3.6342, 0.1079,
0.1728

 209.4742, 0.2452,
0.2861

 1.4711, 0.0707,
0.1336

 254.7309, 0.2493,

 0.2683, 0.0000,

0.2888

0.0564

306.0772, 0.2528,
0.2913

■ 0.0000, 0.0000,
0.0000

■ 44.2918, 0.2046,
0.2565

■ 44.2918, 0.2046,
0.2565

■ 44.2706, 0.2046,
0.2564

■ 46.8658, 0.2082,
0.2644

■ 49.7767, 0.2135,
0.2724

■ 53.1041, 0.2209,
0.2805

■ 56.8957, 0.2301,
0.2885

■ 61.1918, 0.2411,
0.2962

■ 66.0275, 0.2537,
0.3037

■ 71.4345, 0.2675,
0.3108

■ 77.4417, 0.2822,
0.3174

■ 84.0760, 0.2974,
0.3235

Harmonies

Analogous

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



44.2918, 0.2103, 0.3016



44.2918, 0.2046, 0.2565



44.2918, 0.2235, 0.2353

Triad

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



44.2918, 0.2046, 0.2565



44.2918, 0.3855, 0.2940



44.2918, 0.3523, 0.4412

Complementary

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



44.2918, 0.2046, 0.2565



21.9738, 0.6170, 0.3482

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.



44.2918, 0.4043, 0.4251



44.2918, 0.2046, 0.2565



44.2918, 0.4269, 0.3392

Square

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



44.2918, 0.2046, 0.2565



44.2918, 0.3243, 0.2578



44.2918, 0.4330, 0.3861



44.2918, 0.2924, 0.4192

Rectangle

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



44.2918, 0.2046, 0.2565



44.2918, 0.2491, 0.2339



44.2918, 0.4330, 0.3861



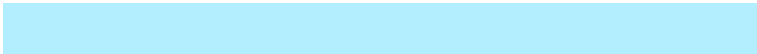
44.2918, 0.3713, 0.4396

Sweetspot

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



44.2933, 0.2046, 0.2565



78.1509, 0.2673, 0.3107



65.5171, 0.2951, 0.5821



16.1760, 0.2613, 0.3078



0.0000, 0.0000, 0.0000



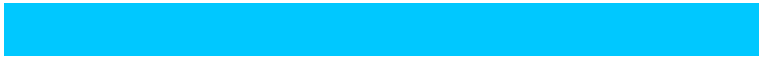
21.4041, 0.3127, 0.3290

Same Dimension

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



44.2933, 0.2046, 0.2565



48.4387, 0.2045, 0.2563



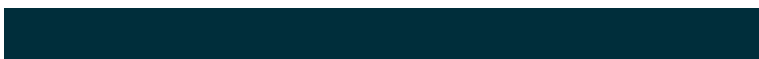
11.4438, 0.1603, 0.0970



18.1134, 0.2980, 0.3238



24.0657, 0.2049, 0.2577



2.2627, 0.2077, 0.2677

Inverse Universe

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



23.2196, 0.3858, 0.1899



25.4211, 0.3860, 0.1900



48.7444, 0.4857, 0.4525



16.7033, 0.3171, 0.3106



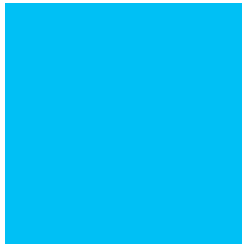
12.5288, 0.3846, 0.1892



1.1161, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 44.2918, 0.2046, 0.2565 looks on a white background.

Color Contrast Check

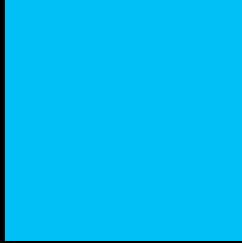
Large Text (above 18pt) WCAG AA × Fail

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 44.2918, 0.2046, 0.2565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

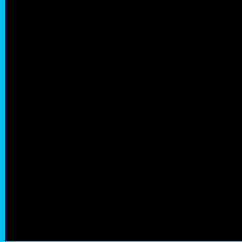
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2918, 0.2046, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 44.2918, 0.2046, 0.2565.



This preview shows how white text looks on a background with the Yxy color 44.2918, 0.2046, 0.2565.

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

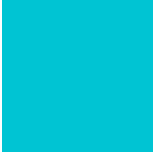
44.2918, 0.2046, 0.2565

Protanopia

43.6187, 0.2610, 0.2572

Deuteranopia

43.9835, 0.2436, 0.2381



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



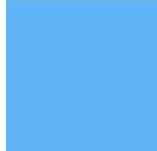
Original Color

44.2918, 0.2046, 0.2565



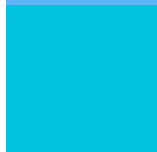
Protanomaly

41.9874, 0.2262, 0.2549



Deuteranomaly

42.3119, 0.2181, 0.2410



Tritanomaly

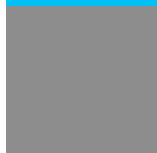
44.3579, 0.2134, 0.2883

Monochromacy



Original Color

44.2918, 0.2046, 0.2565



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.5699, 0.2426, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2918, 0.2046, 0.2565 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, 192, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 245)  
}
```

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, 192, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 245) }
```

Border

The CSS property to change the border of an element to Yxy 44.2918, 0.2046, 0.2565 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, 192, 245) }
```

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

```
.border{ border-color:rgb(0, 192, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2918, 0.2046, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 245) }
```

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

```
.background{ background-color: rgb(0, 192,  
245) }
```

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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