

Converting Colors

$Y_{xy}(47.7932, 0.2040, 0.2543)$

Have a look what the booklet for
Yxy(47.7932, 0.2040, 0.2543)
contains.

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Color

Yxy(47.6146, 0.2039, 0.2537)

Conversions

Conversions Part 1

Format	Color
Hex	02C6FF
RGB	2, 198, 255
RGB Percent	1%, 78%, 100%
CMY	0.9920, 0.2236, 0.0000
CMYK	0.99, 0.22, 0.00, 0.00
HSL	194°, 100%, 50%
HSV	194°, 99%, 100%
XYZ	38.2681, 47.6146, 101.7980
YIQ	145.8940, -135.1130, -23.8250

Conversions

Conversions Part 2

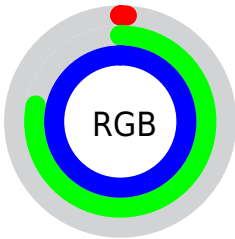
Format	Color
R_{YB}	2, 112, 255
Decimal	182015
CIE _{Lab}	74.58, -21.23, -39.39
CIE _{LCh}	75, 44.747, 241.677
Yxy	47.6146, 0.2039, 0.2537
Android (android.graphics.Color)	4278372095 (0xFF02C6FF)
YUV	145.8940, 53.7893, -126.1950
Hunter-Lab	69.0033, -21.7627, -39.1660

Details

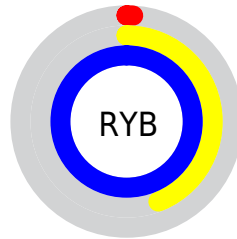
The Yxy color **47.6146, 0.2039, 0.2537** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **24.3981, 0.6141, 0.3499**, and the grayscale version is **28.5178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **24.0237, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **47.3918, 0.2036, 0.2531**, and if you desaturate by 10%, it is **50.5195, 0.2077, 0.2620**.

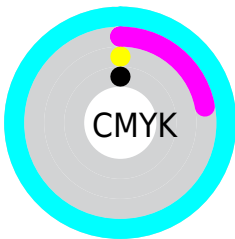
Distribution



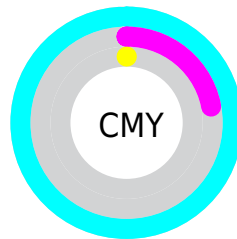
- Red (1%)
- Green (78%)
- Blue (100%)



- Red (1%)
- Yellow (44%)
- Blue (100%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6146, 0.2039, 0.2537 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 47.6146, 0.2039, 0.2537 by changing the saturation by 10% instead.


 47.6146, 0.2039,
0.2537


 47.6146, 0.2039,
0.2537


377.2625, 0.2549,
0.2914


 33.5218, 0.1924,
0.2446


 86.6303, 0.2216,
0.2673


 22.5265, 0.1783,
0.2331


 112.3220, 0.2285,
0.2724

 14.2442, 0.1609,
0.2183


 142.6487, 0.2344,
0.2768

 8.2907, 0.1390,
0.1988

 177.9950, 0.2396,
0.2805

 4.2815, 0.1111,
0.1724

 218.7450, 0.2441,
0.2838

 1.8323, 0.0762,
0.1357

265.2834, 0.2482,

 0.5072, 0.0000,

0.2867

0.0815

317.9944, 0.2517,
0.2892

■ 0.0000, 0.0000,
0.0000

■ 47.6146, 0.2039,
0.2537

■ 47.6146, 0.2039,
0.2537

■ 47.3918, 0.2036,
0.2531

■ 50.5195, 0.2077,
0.2620

■ 53.8152, 0.2132,
0.2704

■ 57.5798, 0.2208,
0.2788

■ 61.8655, 0.2303,
0.2872

■ 66.7163, 0.2416,
0.2953

■ 72.1710, 0.2544,
0.3031

■ 78.2643, 0.2683,
0.3105

■ 85.0281, 0.2831,
0.3174

■ 92.4918, 0.2984,
0.3237

Harmonies

Analogous

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



47.6146, 0.2081, 0.2979



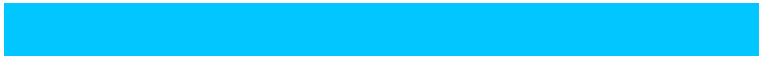
47.6146, 0.2039, 0.2537



47.6146, 0.2244, 0.2338

Triad

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



47.6146, 0.2039, 0.2537



47.6146, 0.3896, 0.2961



47.6146, 0.3491, 0.4425

Complementary

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



47.6146, 0.2039, 0.2537



24.3981, 0.6141, 0.3499

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.



47.6146, 0.4027, 0.4280



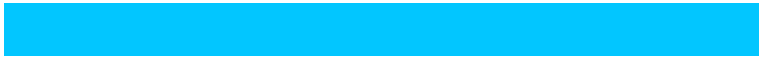
47.6146, 0.2039, 0.2537



47.6146, 0.4297, 0.3420

Square

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



47.6146, 0.2039, 0.2537



47.6146, 0.3282, 0.2588



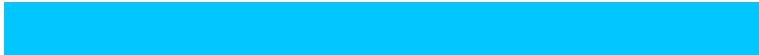
47.6146, 0.4336, 0.3892



47.6146, 0.2887, 0.4178

Rectangle

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



47.6146, 0.2039, 0.2537



47.6146, 0.2511, 0.2333



47.6146, 0.4336, 0.3892



47.6146, 0.3686, 0.4415

Sweetspot

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



47.6149, 0.2039, 0.2537



77.7523, 0.2672, 0.3099



71.8271, 0.2942, 0.5786



16.0800, 0.2612, 0.3069



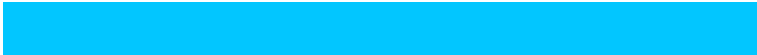
0.0000, 0.0000, 0.0000



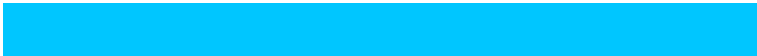
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6149, 0.2039, 0.2537



47.3918, 0.2036, 0.2531



12.0924, 0.1596, 0.0941



19.7461, 0.2980, 0.3235



24.9977, 0.2040, 0.2544



2.5960, 0.2067, 0.2639

Inverse Universe

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



25.3809, 0.3885, 0.1916



25.3154, 0.3892, 0.1918



55.2670, 0.4807, 0.4561



18.2262, 0.3173, 0.3108



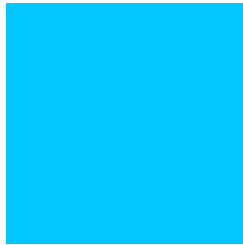
13.2515, 0.3878, 0.1910



1.3066, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 47.6146, 0.2039, 0.2537 looks on a white background.

Color Contrast Check

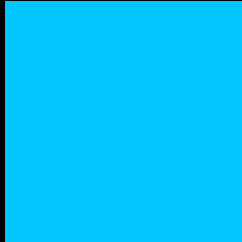
Large Text (above 18pt) WCAG AA × Fail

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 47.6146, 0.2039, 0.2537 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 47.6146, 0.2039, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 47.6146, 0.2039, 0.2537.



This preview shows how white text looks on a background with the Yxy color 47.6146, 0.2039, 0.2537.

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

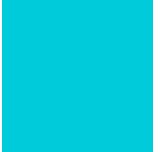
47.6211, 0.2039, 0.2537

Protanopia

46.9927, 0.2586, 0.2547

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

47.7738, 0.2187, 0.3071

Trichromacy



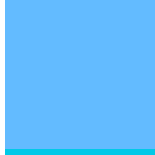
Original Color

47.6211, 0.2039, 0.2537



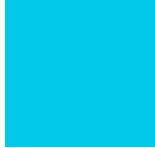
Protanomaly

45.2586, 0.2249, 0.2523



Deuteranomaly

45.4133, 0.2184, 0.2421



Tritanomaly

47.5493, 0.2131, 0.2868

Monochromacy



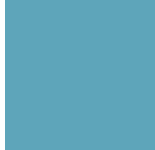
Original Color

47.6211, 0.2039, 0.2537



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.8351, 0.2423, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6146, 0.2039, 0.2537 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(2, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 198, 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(2, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.6146, 0.2039, 0.2537 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(2, 198, 255) }
```

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

```
.border{ border-color:rgb(2, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6146, 0.2039, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 198, 255) }
```

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

```
.background{ background-color: rgb(2, 198,  
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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