

Converting Colors

$Y_{xy}(47.0078, 0.2064, 0.2510)$

Have a look what the booklet for
Yxy(47.0078, 0.2064, 0.2510)
contains.

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Color

Yxy(47.1921, 0.2065, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	2AC4FF
RGB	42, 196, 255
RGB Percent	16%, 77%, 100%
CMY	0.8353, 0.2314, 0.0000
CMYK	0.84, 0.23, 0.00, 0.00
HSL	197°, 100%, 58%
HSV	197°, 84%, 100%
XYZ	38.7482, 47.1921, 101.7023
YIQ	156.6800, -110.7230, -14.2990

Conversions

Conversions Part 2

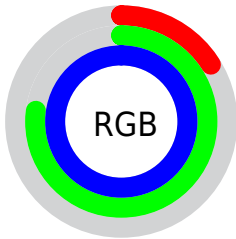
Format	Color
R _Y B	42, 131, 255
Decimal	2802943
CIE Lab	74.31, -18.53, -39.79
CIE LCh	74, 43.896, 245.025
Yxy	47.1921, 0.2065, 0.2515
Android (android.graphics.Color)	4280993023 (0xFF2AC4FF)
YUV	156.6800, 48.4718, -100.5744
Hunter-Lab	68.6965, -19.5362, -39.6888

Details

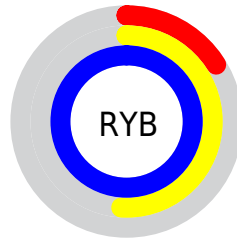
The Yxy color **47.1921, 0.2065, 0.2515** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.7339, 0.5598, 0.3715**, and the grayscale version is **33.3805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8305, 0.2459, 0.3265**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **43.7021, 0.2011, 0.2411**, and if you desaturate by 10%, it is **51.1722, 0.2140, 0.2621**.

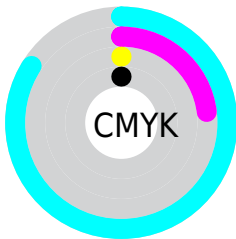
Distribution



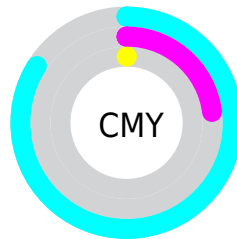
- Red (16%)
- Green (77%)
- Blue (100%)



- Red (16%)
- Yellow (51%)
- Blue (100%)



- Cyan (84%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1921, 0.2065, 0.2515 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 47.1921, 0.2065, 0.2515 by changing the saturation by 10% instead.


 47.1921, 0.2065,
0.2515

 47.1921, 0.2065,
0.2515


375.5808, 0.2565,
0.2901


 33.1875, 0.1952,
0.2422


 86.0003, 0.2238,
0.2653


 22.2702, 0.1813,
0.2305


 111.5727, 0.2306,
0.2706

 14.0555, 0.1641,
0.2155


 141.7699, 0.2364,
0.2751

 8.1593, 0.1424,
0.1958

 176.9762, 0.2415,
0.2789

 4.1971, 0.1146,
0.1692

217.5761, 0.2459,
0.2823

 1.7844, 0.0796,
0.1324

263.9539, 0.2499,

 0.4774, 0.0002,

0.2852

0.0773

316.4940, 0.2534,
0.2878

■ 0.0000, 0.0000,
0.0000

■ 47.1921, 0.2065,
0.2515

■ 47.1921, 0.2065,
0.2515

■ 43.7021, 0.2011,
0.2411

■ 51.1722, 0.2140,
0.2621

■ 41.6534, 0.1985,
0.2344

■ 55.7022, 0.2234,
0.2727

■ 60.8296, 0.2347,
0.2830

■ 66.5960, 0.2475,
0.2929

■ 73.0387, 0.2615,
0.3023

■ 80.1916, 0.2764,
0.3111

■ 88.0860, 0.2917,
0.3192

■ 96.7511, 0.3072,
0.3266

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.1921, 0.2079, 0.2926



47.1921, 0.2065, 0.2515



47.1921, 0.2294, 0.2344

Triad

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



47.1921, 0.2065, 0.2515



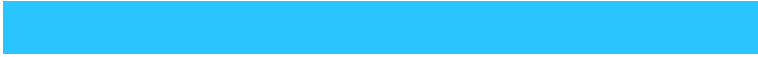
47.1921, 0.3942, 0.3014



47.1921, 0.3421, 0.4399

Complementary

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



47.1921, 0.2065, 0.2515



30.7339, 0.5598, 0.3715

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.



47.1921, 0.3964, 0.4296



47.1921, 0.2065, 0.2515



47.1921, 0.4301, 0.3472

Square

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



47.1921, 0.2065, 0.2515



47.1921, 0.3351, 0.2633



47.1921, 0.4299, 0.3934



47.1921, 0.2828, 0.4111

Rectangle

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



47.1921, 0.2065, 0.2515



47.1921, 0.2573, 0.2354



47.1921, 0.4299, 0.3934



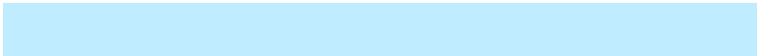
47.1921, 0.3616, 0.4405

Sweetspot

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



47.1915, 0.2065, 0.2515



79.0952, 0.2742, 0.3099



72.9091, 0.2872, 0.5375



16.3821, 0.2689, 0.3068



0.0000, 0.0000, 0.0000



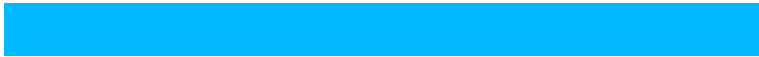
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1915, 0.2065, 0.2515



41.6534, 0.1985, 0.2344



15.3140, 0.1696, 0.1139



19.5807, 0.2980, 0.3223



22.0285, 0.1989, 0.2361



2.3285, 0.2022, 0.2480

Inverse Universe

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



26.9011, 0.3894, 0.2013



24.7361, 0.4081, 0.2022



65.2330, 0.4533, 0.4652



18.2095, 0.3181, 0.3120



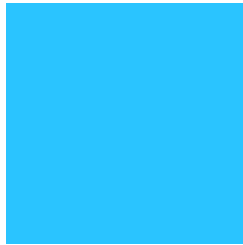
12.9518, 0.4063, 0.2012



1.2796, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 47.1921, 0.2065, 0.2515 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 47.1921, 0.2065, 0.2515 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 47.1921, 0.2065, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 47.1921, 0.2065, 0.2515.

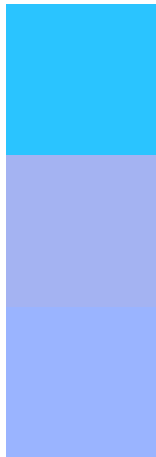


This preview shows how white text looks on a background with the Yxy color 47.1921, 0.2065, 0.2515.

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

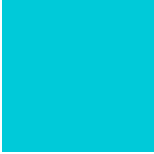
47.1921, 0.2065, 0.2515

Protanopia

46.5435, 0.2572, 0.2523

Deuteranopia

46.7325, 0.2439, 0.2390



Tritanopia

47.2508, 0.2186, 0.3070

Trichromacy



Original Color

47.1921, 0.2065, 0.2515

Protanomaly

45.4064, 0.2303, 0.2497

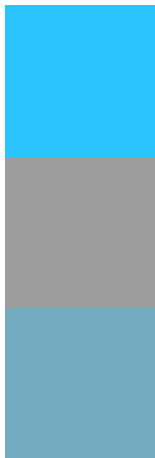
Deuteranomaly

45.8485, 0.2239, 0.2420

Tritanomaly

47.1796, 0.2134, 0.2854

Monochromacy



Original Color

47.1921, 0.2065, 0.2515

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

36.6209, 0.2526, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1921, 0.2065, 0.2515 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(42, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 196, 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(42, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1921, 0.2065, 0.2515 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(42, 196, 255) }
```

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

```
.border{ border-color:rgb(42, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1921, 0.2065, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 196, 255) }
```

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

```
.background{ background-color: rgb(42, 196,  
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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