

Converting Colors

$Yxy(48.5312, 0.2047, 0.2565)$

Have a look what the booklet for
Yxy(48.5312, 0.2047, 0.2565)
contains.

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Color

Yxy(48.5479, 0.2047, 0.2566)

Conversions

Conversions Part 1

Format	Color
Hex	02C8FF
RGB	2, 200, 255
RGB Percent	1%, 78%, 100%
CMY	0.9924, 0.2156, 0.0001
CMYK	0.99, 0.22, 0.00, 0.00
HSL	193°, 100%, 50%
HSV	193°, 99%, 100%
XYZ	38.7286, 48.5479, 101.9203
YIQ	147.0680, -135.6630, -24.8710

Conversions

Conversions Part 2

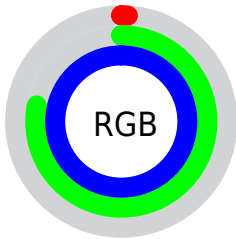
Format	Color
R _Y B	2, 113, 255
Decimal	182527
CIE Lab	75.17, -22.29, -38.45
CIE LCh	75, 44.447, 239.902
Yxy	48.5479, 0.2047, 0.2566
Android (android.graphics.Color)	4278372607 (0xFF02C8FF)
YUV	147.0680, 53.2105, -127.2246
Hunter-Lab	69.6763, -22.7169, -37.9541

Details

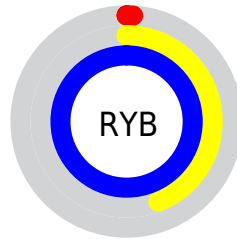
The Yxy color **48.5479, 0.2047, 0.2566** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **24.1760, 0.6157, 0.3486**, and the grayscale version is **29.0204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **48.3433, 0.2045, 0.2560**, and if you desaturate by 10%, it is **51.3882, 0.2084, 0.2646**.

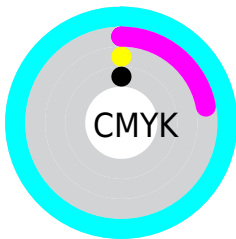
Distribution



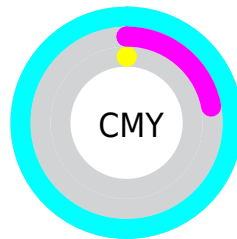
- Red (1%)
- Green (78%)
- Blue (100%)



- 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 48.5479, 0.2047, 0.2566 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 48.5479, 0.2047, 0.2566 by changing the saturation by 10% instead.

 48.5479, 0.2047,
0.2566

 48.5479, 0.2047,
0.2566


 380.9598, 0.2552,
0.2929

 34.2610, 0.1933,
0.2478


 88.0196, 0.2222,
0.2697


 23.0942, 0.1794,
0.2367


 113.9732, 0.2290,
0.2746


 14.6631, 0.1622,
0.2224


 144.5845, 0.2349,
0.2788

 8.5833, 0.1405,
0.2035

 180.2378, 0.2400,
0.2824

 4.4704, 0.1129,
0.1778

 221.3176, 0.2445,
0.2856

 1.9400, 0.0782,
0.1419

 268.2083, 0.2485,

 0.5723, 0.0000,

0.2883

0.0908

321.2942, 0.2521,
0.2908

■ 0.0000, 0.0000,
0.0000

■ 48.5479, 0.2047,
0.2566

■ 48.5479, 0.2047,
0.2566

■ 48.3433, 0.2045,
0.2560

■ 51.3882, 0.2084,
0.2646

■ 54.6103, 0.2138,
0.2726

■ 58.2941, 0.2212,
0.2807

■ 62.4915, 0.2306,
0.2887

■ 67.2466, 0.2418,
0.2966

■ 72.5979, 0.2545,
0.3041

■ 78.5801, 0.2684,
0.3112

■ 85.2250, 0.2831,
0.3178

■ 92.5620, 0.2984,
0.3239

Harmonies

Analogous

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



48.5479, 0.2104, 0.3017



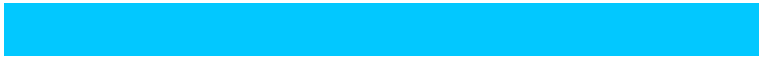
48.5479, 0.2047, 0.2566



48.5479, 0.2236, 0.2354

Triad

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



48.5479, 0.2047, 0.2566



48.5479, 0.3854, 0.2940



48.5479, 0.3523, 0.4411

Complementary

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



48.5479, 0.2047, 0.2566



24.1760, 0.6157, 0.3486

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.



48.5479, 0.4042, 0.4250



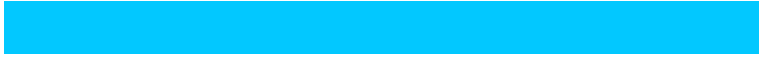
48.5479, 0.2047, 0.2566



48.5479, 0.4268, 0.3391

Square

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



48.5479, 0.2047, 0.2566



48.5479, 0.3243, 0.2578



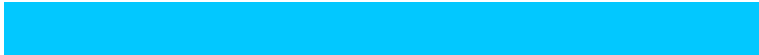
48.5479, 0.4329, 0.3860



48.5479, 0.2925, 0.4191

Rectangle

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



48.5479, 0.2047, 0.2566



48.5479, 0.2491, 0.2340



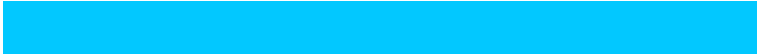
48.5479, 0.4329, 0.3860



48.5479, 0.3713, 0.4394

Sweetspot

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



48.5496, 0.2047, 0.2566



78.1178, 0.2673, 0.3106



71.8134, 0.2942, 0.5787



16.1680, 0.2613, 0.3077



0.0000, 0.0000, 0.0000



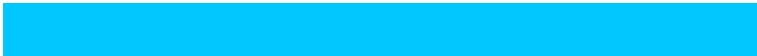
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5496, 0.2047, 0.2566



48.3513, 0.2045, 0.2560



12.0792, 0.1596, 0.0941



19.7725, 0.2980, 0.3237



25.4937, 0.2048, 0.2573



2.6403, 0.2074, 0.2664

Inverse Universe

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



25.4694, 0.3857, 0.1901



25.4122, 0.3863, 0.1902



55.2445, 0.4808, 0.4561



18.2288, 0.3171, 0.3106



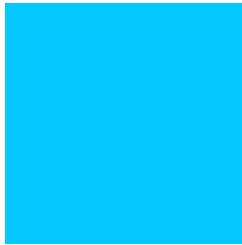
13.3016, 0.3850, 0.1895



1.3111, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 48.5479, 0.2047, 0.2566 looks on a white background.

Color Contrast Check

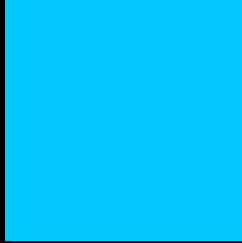
Large Text (above 18pt) WCAG AA × Fail

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 48.5479, 0.2047, 0.2566 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 48.5479, 0.2047, 0.2566

Background



This preview shows how black text looks on a background with the Yxy color 48.5479, 0.2047, 0.2566.

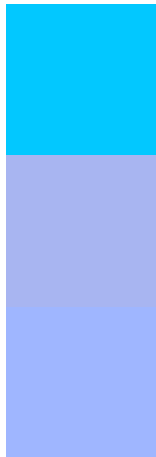


This preview shows how white text looks on a background with the Yxy color 48.5479, 0.2047, 0.2566.

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

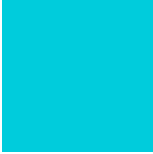
48.5415, 0.2047, 0.2566

Protanopia

47.7235, 0.2608, 0.2564

Deuteranopia

48.0468, 0.2473, 0.2421



Tritanopia

48.3530, 0.2183, 0.3059

Trichromacy



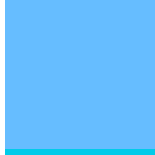
Original Color

48.5415, 0.2047, 0.2566



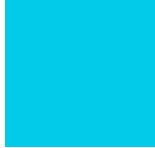
Protanomaly

45.8084, 0.2261, 0.2538



Deuteranomaly

46.4400, 0.2201, 0.2450



Tritanomaly

48.6015, 0.2132, 0.2872

Monochromacy



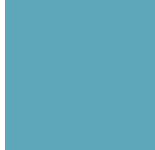
Original Color

48.5415, 0.2047, 0.2566



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.1973, 0.2427, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5479, 0.2047, 0.2566 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 200, 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, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.5479, 0.2047, 0.2566 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, 200, 255) }
```

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

```
.border{ border-color:rgb(2, 200, 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, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(2, 200, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(2, 200, 255); box-shadow:4px 4px 4px 4px rgb(2, 200, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5479, 0.2047, 0.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 200, 255) }
```

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

```
.background{ background-color: rgb(2, 200,  
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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