

Converting Colors

$Y_{xy}(46.1203, 0.1901, 0.2527)$

Have a look what the booklet for
Yxy(46.1203, 0.1901, 0.2527)
contains.

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Color

Yxy(48.0668, 0.2042, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	00C7FF
RGB	0, 199, 255
RGB Percent	0%, 78%, 100%
CMY	1.0000, 0.2196, 0.0000
CMYK	1.00, 0.22, 0.00, 0.00
HSL	193°, 100%, 50%
HSV	193°, 100%, 100%
XYZ	38.4761, 48.0668, 101.8805
YIQ	145.8830, -136.5800, -24.7720

Conversions

Conversions Part 2

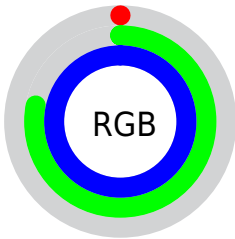
Format	Color
RYB	0, 112, 255
Decimal	51199
CIELab	74.87, -21.79, -38.95
CIELCh	75, 44.633, 240.771
Yxy	48.0668, 0.2042, 0.2551
Android (android.graphics.Color)	4278241279 (0xFF00C7FF)
YUV	145.8830, 53.7947, -127.9394
Hunter-Lab	69.3302, -22.2661, -38.5953

Details

The Yxy color **48.0668, 0.2042, 0.2551** 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 **24.0884, 0.6169, 0.3484**, and the grayscale version is **28.5118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **24.3280, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **48.0667, 0.2042, 0.2551**, and if you desaturate by 10%, it is **50.9045, 0.2078, 0.2632**.

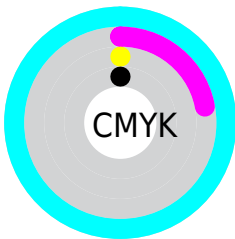
Distribution



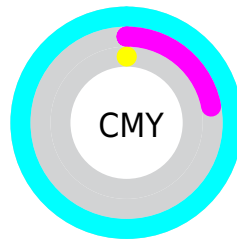
- Red (0%)
- Green (78%)
- Blue (100%)



- Red (0%)
- Yellow (44%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0668, 0.2042, 0.2551 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 48.0668, 0.2042, 0.2551 by changing the saturation by 10% instead.


 48.0668, 0.2042,
0.2551


 48.0668, 0.2042,
0.2551


379.0568, 0.2550,
0.2922

 33.8798, 0.1927,
0.2461


 87.3039, 0.2218,
0.2684


 22.8013, 0.1787,
0.2348


 113.1227, 0.2287,
0.2735


 14.4468, 0.1614,
0.2203


 143.5876, 0.2346,
0.2778

 8.4321, 0.1396,
0.2011

 179.0829, 0.2397,
0.2815

 4.3727, 0.1119,
0.1749

 219.9932, 0.2443,
0.2847

 1.8841, 0.0771,
0.1387

266.7026, 0.2483,

 0.5388, 0.0000,

0.2875

0.0860

319.5957, 0.2518,
0.2899

■ 0.0000, 0.0000,
0.0000

■ 48.0668, 0.2042,
0.2551

■ 48.0668, 0.2042,
0.2551

■ 48.0667, 0.2042,
0.2551

■ 50.9045, 0.2078,
0.2632

■ 54.1157, 0.2132,
0.2713

■ 57.7863, 0.2205,
0.2795

■ 61.9691, 0.2297,
0.2877

■ 66.7086, 0.2408,
0.2956

■ 72.0438, 0.2534,
0.3032

■ 78.0098, 0.2672,
0.3104

■ 84.6384, 0.2820,
0.3172

■ 91.9593, 0.2972,
0.3234

Harmonies

Analogous

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



48.0668, 0.2092, 0.2998



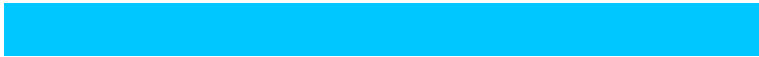
48.0668, 0.2042, 0.2551



48.0668, 0.2239, 0.2345

Triad

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



48.0668, 0.2042, 0.2551



48.0668, 0.3875, 0.2950



48.0668, 0.3508, 0.4419

Complementary

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



48.0668, 0.2042, 0.2551



24.0884, 0.6169, 0.3484

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.



48.0668, 0.4036, 0.4266



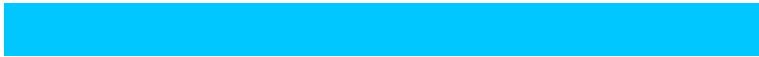
48.0668, 0.2042, 0.2551



48.0668, 0.4283, 0.3405

Square

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



48.0668, 0.2042, 0.2551



48.0668, 0.3262, 0.2582



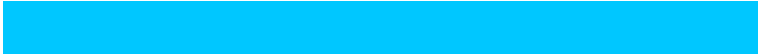
48.0668, 0.4334, 0.3876



48.0668, 0.2906, 0.4186

Rectangle

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



48.0668, 0.2042, 0.2551



48.0668, 0.2500, 0.2336



48.0668, 0.4334, 0.3876



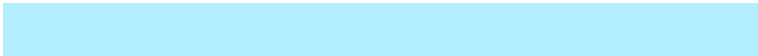
48.0668, 0.3700, 0.4406

Sweetspot

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



48.0667, 0.2042, 0.2551



78.0098, 0.2672, 0.3104



71.7982, 0.2944, 0.5798



16.1420, 0.2613, 0.3074



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.



48.0667, 0.2042, 0.2551



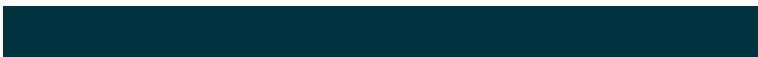
11.8871, 0.1591, 0.0928



19.7647, 0.2980, 0.3237



25.3466, 0.2046, 0.2565



2.6272, 0.2071, 0.2657

Inverse Universe

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



25.3835, 0.3872, 0.1906



55.0239, 0.4815, 0.4559



18.2281, 0.3172, 0.3106



13.2867, 0.3858, 0.1899



1.3098, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 48.0668, 0.2042, 0.2551 looks on a white background.

Color Contrast Check

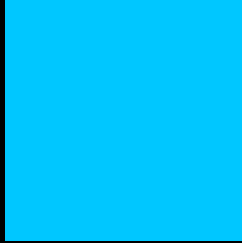
Large Text (above 18pt) WCAG AA × Fail

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 48.0668, 0.2042, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

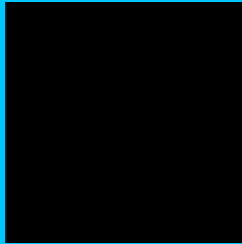
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0668, 0.2042, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 48.0668, 0.2042, 0.2551.

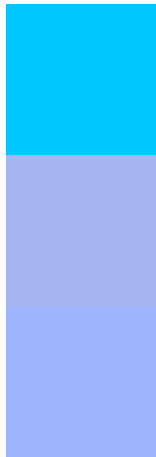


This preview shows how white text looks on a background with the Yxy color 48.0668, 0.2042, 0.2551.

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

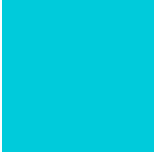
48.0668, 0.2042, 0.2551

Protanopia

47.5056, 0.2595, 0.2561

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



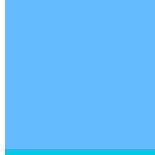
Original Color

48.0668, 0.2042, 0.2551



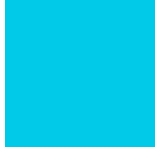
Protanomaly

45.6844, 0.2252, 0.2536



Deuteranomaly

45.8958, 0.2191, 0.2435



Tritanomaly

48.0673, 0.2131, 0.2870

Monochromacy



Original Color

48.0668, 0.2042, 0.2551



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.7826, 0.2418, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0668, 0.2042, 0.2551 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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(0, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.0668, 0.2042, 0.2551 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, 199, 255) }
```

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

```
.border{ border-color:rgb(0, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 48.0668, 0.2042, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 255) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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