

Converting Colors

$Yxy(46.9647, 0.2033, 0.2517)$

Have a look what the booklet for
Yxy(46.9647, 0.2033, 0.2517)
contains.

Yxy(47.1590, 0.2035, 0.2523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.1590, 0.2035, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	02C5FF
RGB	2, 197, 255
RGB Percent	1%, 77%, 100%
CMY	0.9930, 0.2275, 0.0000
CMYK	0.99, 0.23, 0.00, 0.00
HSL	194°, 100%, 50%
HSV	194°, 99%, 100%
XYZ	38.0375, 47.1590, 101.7199
YIQ	145.3070, -134.8380, -23.3020

Conversions

Conversions Part 2

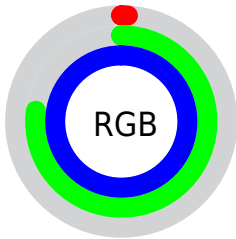
Format	Color
R_{YB}	2, 112, 255
Decimal	181759
CIE _{Lab}	74.29, -20.72, -39.84
CIE _{LCh}	74, 44.907, 242.518
Yxy	47.1590, 0.2035, 0.2523
Android (android.graphics.Color)	4278371839 (0xFF02C5FF)
YUV	145.3070, 54.0786, -125.6802
Hunter-Lab	68.6724, -21.3060, -39.7517

Details

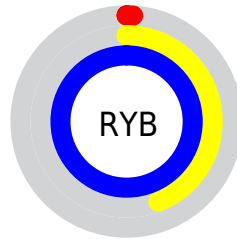
The Yxy color **47.1590, 0.2035, 0.2523** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **24.4732, 0.6136, 0.3504**, and the grayscale version is **28.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6810, 0.2424, 0.3276**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **46.9635, 0.2033, 0.2517**, and if you desaturate by 10%, it is **50.0892, 0.2073, 0.2608**.

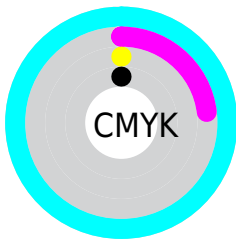
Distribution



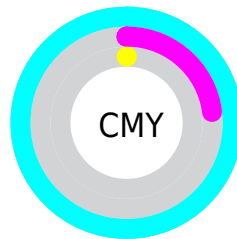
- Red (1%)
- Green (77%)
- Blue (100%)



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



- Cyan (99%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1590, 0.2035, 0.2523 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 47.1590, 0.2035, 0.2523 by changing the saturation by 10% instead.


 47.1590, 0.2035,
0.2523


 47.1590, 0.2035,
0.2523


 375.4488, 0.2548,
0.2907


 33.1614, 0.1919,
0.2430


 85.9509, 0.2213,
0.2661

 22.2501, 0.1778,
0.2313


 111.5140, 0.2282,
0.2713

 14.0408, 0.1602,
0.2163


 141.7010, 0.2342,
0.2758

 8.1490, 0.1382,
0.1965

 176.8963, 0.2394,
0.2796

 4.1905, 0.1102,
0.1697

 217.4844, 0.2439,
0.2829

 1.7807, 0.0752,
0.1328

 263.8495, 0.2480,

 0.4751, 0.0000,

0.2858

0.0769

316.3762, 0.2516,
0.2884

■ 0.0000, 0.0000,
0.0000

■ 47.1590, 0.2035,
0.2523

■ 47.1590, 0.2035,
0.2523

■ 46.9635, 0.2033,
0.2517

■ 50.0892, 0.2073,
0.2608

■ 53.4117, 0.2129,
0.2693

■ 57.2057, 0.2205,
0.2779

■ 61.5236, 0.2301,
0.2864

■ 66.4095, 0.2414,
0.2947

■ 71.9023, 0.2542,
0.3026

■ 78.0368, 0.2682,
0.3101

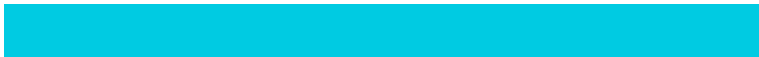
■ 84.8449, 0.2830,
0.3171

■ 92.3562, 0.2983,
0.3235

Harmonies

Analogous

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



47.1590, 0.2070, 0.2961



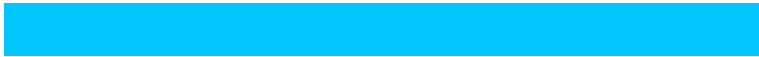
47.1590, 0.2035, 0.2523



47.1590, 0.2248, 0.2330

Triad

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



47.1590, 0.2035, 0.2523



47.1590, 0.3917, 0.2970



47.1590, 0.3476, 0.4432

Complementary

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



47.1590, 0.2035, 0.2523



24.4732, 0.6136, 0.3504

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.



47.1590, 0.4020, 0.4294



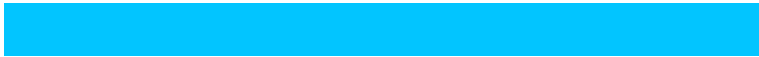
47.1590, 0.2035, 0.2523



47.1590, 0.4312, 0.3433

Square

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



47.1590, 0.2035, 0.2523



47.1590, 0.3301, 0.2592



47.1590, 0.4340, 0.3908



47.1590, 0.2868, 0.4172

Rectangle

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



47.1590, 0.2035, 0.2523



47.1590, 0.2520, 0.2329



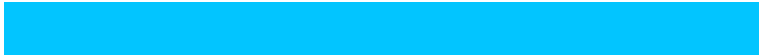
47.1590, 0.4340, 0.3908



47.1590, 0.3673, 0.4425

Sweetspot

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



47.1594, 0.2035, 0.2523



77.5880, 0.2672, 0.3096



71.8233, 0.2942, 0.5788



16.0404, 0.2612, 0.3065



0.0000, 0.0000, 0.0000



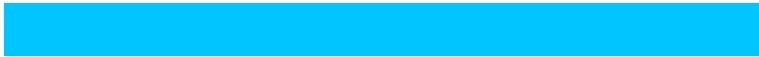
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1594, 0.2035, 0.2523



46.9635, 0.2033, 0.2517



12.0656, 0.1596, 0.0940



19.7342, 0.2980, 0.3234



24.7763, 0.2037, 0.2531



2.5762, 0.2063, 0.2628

Inverse Universe

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



25.3293, 0.3899, 0.1924



25.2721, 0.3905, 0.1925



55.2354, 0.4808, 0.4561



18.2250, 0.3173, 0.3109



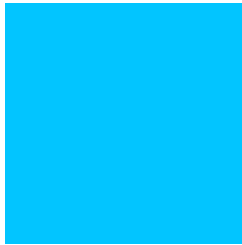
13.2292, 0.3891, 0.1917



1.3046, 0.3797, 0.1865

Previews

White Background



This preview shows how the Yxy color 47.1590, 0.2035, 0.2523 looks on a white background.

Color Contrast Check

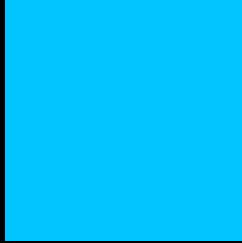
Large Text (above 18pt) WCAG AA × Fail

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 47.1590, 0.2035, 0.2523 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 47.1590, 0.2035, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 47.1590, 0.2035, 0.2523.



This preview shows how white text looks on a background with the Yxy color 47.1590, 0.2035, 0.2523.

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

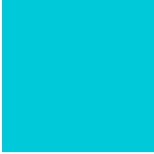
47.1654, 0.2035, 0.2523

Protanopia

46.4836, 0.2578, 0.2533

Deuteranopia

46.7325, 0.2439, 0.2390



Tritanopia

47.2508, 0.2186, 0.3070

Trichromacy



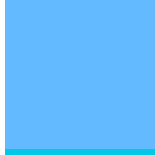
Original Color

47.1654, 0.2035, 0.2523



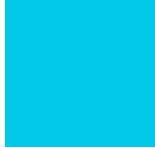
Protanomaly

44.7749, 0.2242, 0.2508



Deuteranomaly

44.9905, 0.2181, 0.2407



Tritanomaly

47.0845, 0.2127, 0.2853

Monochromacy



Original Color

47.1654, 0.2035, 0.2523



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.3809, 0.2420, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1590, 0.2035, 0.2523 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, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 197, 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, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1590, 0.2035, 0.2523 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, 197, 255) }
```

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

```
.border{ border-color:rgb(2, 197, 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, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1590, 0.2035, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 197, 255) }
```

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

```
.background{ background-color: rgb(2, 197,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor