

Converting Colors

$Y_{xy}(47.3360, 0.1798, 0.2095)$

Have a look what the booklet for
Yxy(47.3360, 0.1798, 0.2095)
contains.

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Color

Yxy(46.6999, 0.2030, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	00C4FF
RGB	0, 196, 255
RGB Percent	0%, 77%, 100%
CMY	1.0000, 0.2313, 0.0000
CMYK	1.00, 0.23, 0.00, 0.00
HSL	194°, 100%, 50%
HSV	194°, 100%, 100%
XYZ	37.7843, 46.6999, 101.6453
YIQ	144.1220, -135.7550, -23.2030

Conversions

Conversions Part 2

Format	Color
RYB	0, 111, 255
Decimal	50431
CIELab	74.00, -20.28, -40.30
CIELCh	74, 45.112, 243.291
Yxy	46.6999, 0.2030, 0.2509
Android (android.graphics.Color)	4278240511 (0xFF00C4FF)
YUV	144.1220, 54.6629, -126.3950
Hunter-Lab	68.3373, -20.8961, -40.3522

Details

The Yxy color **46.6999, 0.2030, 0.2509** 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 **24.3867, 0.6146, 0.3502**, and the grayscale version is **27.7613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0480, 0.2422, 0.3265**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **46.7053, 0.2030, 0.2509**, and if you desaturate by 10%, it is **49.6323, 0.2068, 0.2595**.

Distribution



- Red (0%)
- Green (77%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6999, 0.2030, 0.2509 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 46.6999, 0.2030, 0.2509 by changing the saturation by 10% instead.


 46.6999, 0.2030,
0.2509


 46.6999, 0.2030,
0.2509


373.6154, 0.2546,
0.2900

 32.7985, 0.1913,
0.2414

 85.2655, 0.2209,
0.2649

 21.9721, 0.1771,
0.2296


 110.6985, 0.2278,
0.2703

 13.8364, 0.1595,
0.2143


 140.7441, 0.2338,
0.2748

 8.0070, 0.1373,
0.1943

 175.7867, 0.2391,
0.2787

 4.0994, 0.1091,
0.1671

 216.2107, 0.2437,
0.2821

 1.7293, 0.0740,
0.1298

262.4006, 0.2477,

 0.4425, 0.0000,

0.2850

0.0722

314.7407, 0.2513,
0.2877

■ 0.0000, 0.0000,
0.0000

■ 46.6999, 0.2030,
0.2509

■ 46.6999, 0.2030,
0.2509

■ 46.7053, 0.2030,
0.2509

■ 49.6323, 0.2068,
0.2595

■ 52.9428, 0.2123,
0.2681

■ 56.7227, 0.2198,
0.2768

■ 61.0252, 0.2292,
0.2854

■ 65.8950, 0.2405,
0.2938

■ 71.3710, 0.2532,
0.3018

■ 77.4886, 0.2671,
0.3094

■ 84.2798, 0.2819,
0.3165

■ 91.7743, 0.2972,
0.3231

Harmonies

Analogous

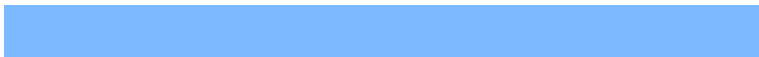
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6999, 0.2059, 0.2944



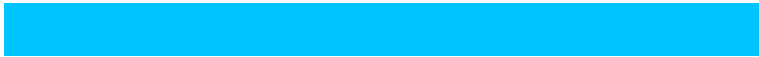
46.6999, 0.2030, 0.2509



46.6999, 0.2251, 0.2321

Triad

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



46.6999, 0.2030, 0.2509



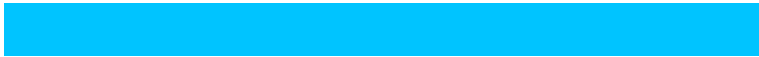
46.6999, 0.3937, 0.2979



46.6999, 0.3463, 0.4440

Complementary

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



46.6999, 0.2030, 0.2509



24.3867, 0.6146, 0.3502

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.



46.6999, 0.4014, 0.4309



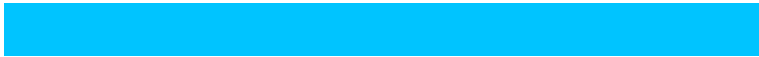
46.6999, 0.2030, 0.2509



46.6999, 0.4327, 0.3446

Square

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



46.6999, 0.2030, 0.2509



46.6999, 0.3319, 0.2596



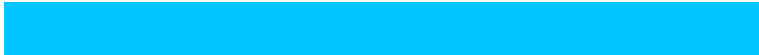
46.6999, 0.4344, 0.3923



46.6999, 0.2851, 0.4168

Rectangle

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



46.6999, 0.2030, 0.2509



46.6999, 0.2528, 0.2324



46.6999, 0.4344, 0.3923



46.6999, 0.3661, 0.4436

Sweetspot

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



46.7053, 0.2030, 0.2509



77.4886, 0.2671, 0.3094



71.7982, 0.2944, 0.5798



16.0165, 0.2611, 0.3063



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.



46.7053, 0.2030, 0.2509



11.8871, 0.1591, 0.0928



19.7270, 0.2980, 0.3234



24.6429, 0.2034, 0.2523



2.5642, 0.2062, 0.2621

Inverse Universe

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



25.2461, 0.3913, 0.1929



55.0239, 0.4815, 0.4559



18.2242, 0.3174, 0.3109



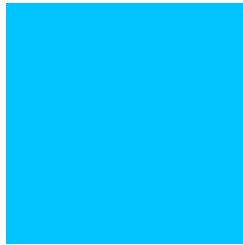
13.2157, 0.3899, 0.1922



1.3034, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 46.6999, 0.2030, 0.2509 looks on a white background.

Color Contrast Check

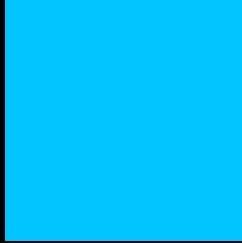
Large Text (above 18pt) WCAG AA × Fail

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 46.6999, 0.2030, 0.2509 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 46.6999, 0.2030, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 46.6999, 0.2030, 0.2509.



This preview shows how white text looks on a background with the Yxy color 46.6999, 0.2030, 0.2509.

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

46.6999, 0.2030, 0.2509

Protanopia

45.9782, 0.2570, 0.2519

Deuteranopia

46.1356, 0.2425, 0.2375



Tritanopia

46.7312, 0.2186, 0.3069

Trichromacy



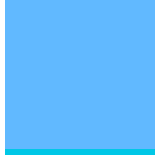
Original Color

46.6999, 0.2030, 0.2509



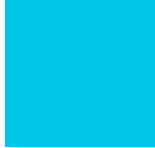
Protanomaly

44.2948, 0.2235, 0.2494



Deuteranomaly

44.4593, 0.2170, 0.2392



Tritanomaly

46.5600, 0.2125, 0.2851

Monochromacy



Original Color

46.6999, 0.2030, 0.2509



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.9304, 0.2417, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6999, 0.2030, 0.2509 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.6999, 0.2030, 0.2509 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, 196, 255) }
```

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

```
.border{ border-color:rgb(0, 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(0, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 46.6999, 0.2030, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 255) }
```

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

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