

Converting Colors

$Y_{xy}(51.3491, 0.1890, 0.1906)$

Have a look what the booklet for
Yxy(51.3491, 0.1890, 0.1906)
contains.

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Color

Yxy(46.3844, 0.2064, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	2EC2FF
RGB	46, 194, 255
RGB Percent	18%, 76%, 100%
CMY	0.8196, 0.2392, 0.0001
CMYK	0.82, 0.24, 0.00, 0.00
HSL	198°, 100%, 59%
HSV	198°, 82%, 100%
XYZ	38.4642, 46.3844, 101.5090
YIQ	156.7020, -107.7890, -12.4050

Conversions

Conversions Part 2

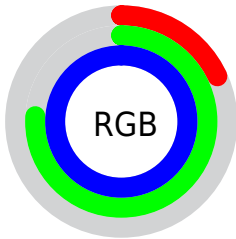
Format	Color
R _Y B	46, 133, 255
Decimal	3064575
CIE Lab	73.79, -17.21, -40.56
CIE LCh	74, 44.061, 247.011
Yxy	46.3844, 0.2064, 0.2489
Android (android.graphics.Color)	4281254655 (0xFF2EC2FF)
YUV	156.7020, 48.4609, -97.0857
Hunter-Lab	68.1061, -18.3744, -40.6947

Details

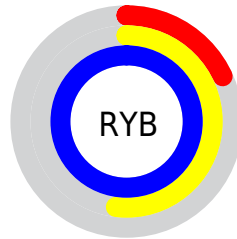
The Yxy color **46.3844, 0.2064, 0.2489** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.9610, 0.5513, 0.3751**, and the grayscale version is **33.3921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6500, 0.2458, 0.3242**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.7302, 0.2005, 0.2378**, and if you desaturate by 10%, it is **50.5584, 0.2144, 0.2601**.

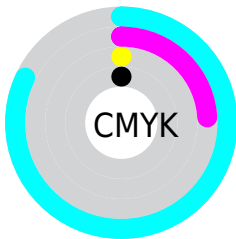
Distribution



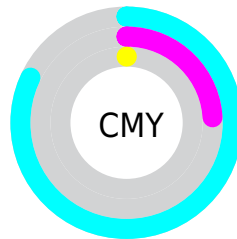
- Red (18%)
- Green (76%)
- Blue (100%)



- Red (18%)
- Yellow (52%)
- Blue (100%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3844, 0.2064, 0.2489 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 46.3844, 0.2064, 0.2489 by changing the saturation by 10% instead.

46.3844, 0.2064,
0.2489

46.3844, 0.2064,
0.2489

372.3519, 0.2566,
0.2888

32.5493, 0.1950,
0.2393

84.7940, 0.2238,
0.2632

21.7814, 0.1811,
0.2273

110.1372, 0.2306,
0.2686

13.6963, 0.1637,
0.2119

140.0853, 0.2364,
0.2732

7.9098, 0.1418,
0.1917

175.0226, 0.2415,
0.2772

4.0373, 0.1139,
0.1645

215.3335, 0.2460,
0.2807

1.6944, 0.0786,
0.1273

261.4025, 0.2499,

0.4200, 0.0000,

0.2837

0.0690

313.6138, 0.2534,
0.2864

0.0000, 0.0000,
0.0000

46.3844, 0.2064,
0.2489

46.3844, 0.2064,
0.2489

42.7302, 0.2005,
0.2378

50.5584, 0.2144,
0.2601

40.0977, 0.1970,
0.2290

55.3039, 0.2244,
0.2712

60.6696, 0.2361,
0.2821

66.6969, 0.2493,
0.2925

73.4226, 0.2636,
0.3024

■ 80.8806, 0.2787,
0.3115

■ 89.1020, 0.2942,
0.3200

■ 98.1160, 0.3097,
0.3276

■ 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



46.3844, 0.2062, 0.2887



46.3844, 0.2064, 0.2489



46.3844, 0.2311, 0.2332

Triad

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



46.3844, 0.2064, 0.2489



46.3844, 0.3983, 0.3040



46.3844, 0.3383, 0.4404

Complementary

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



46.3844, 0.2064, 0.2489



31.9610, 0.5513, 0.3751

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.



46.3844, 0.3939, 0.4322



46.3844, 0.2064, 0.2489



46.3844, 0.4324, 0.3504

Square

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



46.3844, 0.2064, 0.2489



46.3844, 0.3395, 0.2649



46.3844, 0.4296, 0.3967



46.3844, 0.2787, 0.4087

Rectangle

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



46.3844, 0.2064, 0.2489



46.3844, 0.2601, 0.2353



46.3844, 0.4296, 0.3967



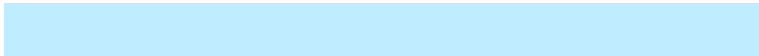
46.3844, 0.3581, 0.4418

Sweetspot

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



46.3860, 0.2064, 0.2489



78.5511, 0.2741, 0.3088



73.1074, 0.2858, 0.5298



16.2511, 0.2688, 0.3056



0.0000, 0.0000, 0.0000



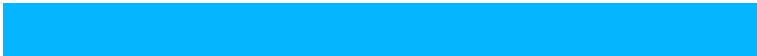
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3860, 0.2064, 0.2489



40.7471, 0.1978, 0.2312



15.3295, 0.1704, 0.1139



19.5336, 0.2980, 0.3219



21.2276, 0.1975, 0.2308



2.2557, 0.2009, 0.2434

Inverse Universe

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



27.1044, 0.3918, 0.2044



24.7520, 0.4113, 0.2046



67.3951, 0.4484, 0.4671



18.2047, 0.3183, 0.3123



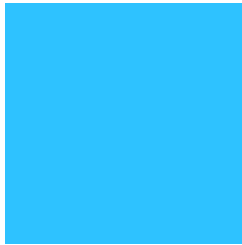
12.8709, 0.4118, 0.2042



1.2723, 0.3989, 0.1971

Previews

White Background



This preview shows how the Yxy color 46.3844, 0.2064, 0.2489 looks on a white background.

Color Contrast Check

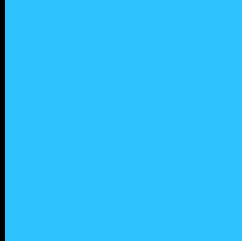
Large Text (above 18pt) WCAG AA × Fail

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 46.3844, 0.2064, 0.2489 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

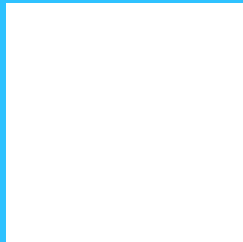
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3844, 0.2064, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 46.3844, 0.2064, 0.2489.

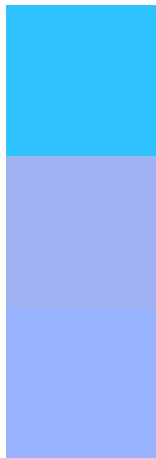


This preview shows how white text looks on a background with the Yxy color 46.3844, 0.2064, 0.2489.

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

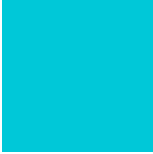
46.3844, 0.2064, 0.2489

Protanopia

45.8287, 0.2551, 0.2506

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

46.2664, 0.2182, 0.3055

Trichromacy



Original Color

46.3844, 0.2064, 0.2489



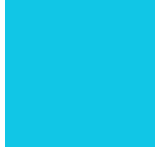
Protanomaly

44.9183, 0.2296, 0.2483



Deuteranomaly

45.0117, 0.2233, 0.2393



Tritanomaly

46.2205, 0.2131, 0.2838

Monochromacy



Original Color

46.3844, 0.2064, 0.2489



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.3816, 0.2537, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3844, 0.2064, 0.2489 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(46, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 194, 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(46, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3844, 0.2064, 0.2489 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(46, 194, 255) }
```

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

```
.border{ border-color:rgb(46, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3844, 0.2064, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 194, 255) }
```

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

```
.background{ background-color: rgb(46, 194,  
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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