

Converting Colors

$Yxy(46.4530, 0.2060, 0.2492)$

Have a look what the booklet for
Yxy(46.4530, 0.2060, 0.2492)
contains.

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Color

Yxy(46.3172, 0.2059, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	2BC2FF
RGB	43, 194, 255
RGB Percent	17%, 76%, 100%
CMY	0.8319, 0.2392, 0.0001
CMYK	0.83, 0.24, 0.00, 0.00
HSL	197°, 100%, 58%
HSV	197°, 83%, 100%
XYZ	38.3308, 46.3172, 101.5143
YIQ	155.8050, -109.5770, -13.0410

Conversions

Conversions Part 2

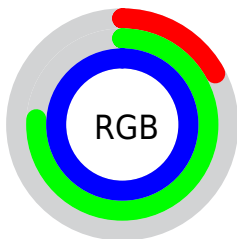
Format	Color
R _Y B	43, 131, 255
Decimal	2867967
CIE Lab	73.75, -17.45, -40.64
CIE LCh	74, 44.227, 246.763
Yxy	46.3172, 0.2059, 0.2488
Android (android.graphics.Color)	4281058047 (0xFF2BC2FF)
YUV	155.8050, 48.9031, -98.9300
Hunter-Lab	68.0567, -18.5647, -40.7980

Details

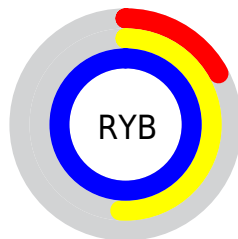
The Yxy color **46.3172, 0.2059, 0.2488** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.2966, 0.5564, 0.3737**, and the grayscale version is **32.9514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5743, 0.2455, 0.3242**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.7481, 0.2003, 0.2379**, and if you desaturate by 10%, it is **50.3936, 0.2136, 0.2598**.

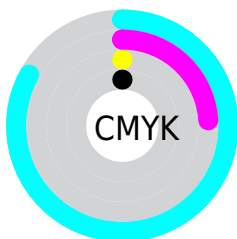
Distribution



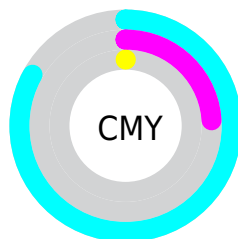
- Red (17%)
- Green (76%)
- Blue (100%)



- Red (17%)
- Yellow (51%)
- Blue (100%)



- Cyan (83%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3172, 0.2059, 0.2488 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 46.3172, 0.2059, 0.2488 by changing the saturation by 10% instead.


 46.3172, 0.2059,
0.2488


 46.3172, 0.2059,
0.2488

 372.0824, 0.2563,
0.2887

 32.4962, 0.1945,
0.2392


 84.6935, 0.2234,
0.2631


 21.7408, 0.1805,
0.2272


 110.0176, 0.2302,
0.2685

 13.6666, 0.1631,
0.2117


 139.9449, 0.2361,
0.2732

 7.8891, 0.1411,
0.1915

 174.8597, 0.2412,
0.2771

 4.0241, 0.1131,
0.1642

 215.1465, 0.2457,
0.2806

 1.6870, 0.0778,
0.1269

 261.1896, 0.2496,

 0.4152, 0.0000,

0.2837

0.0682

313.3734, 0.2531,
0.2863

■ 0.0000, 0.0000,
0.0000

■ 46.3172, 0.2059,
0.2488

■ 46.3172, 0.2059,
0.2488

■ 42.7481, 0.2003,
0.2379

■ 50.3936, 0.2136,
0.2598

■ 40.5501, 0.1974,
0.2306

■ 55.0305, 0.2232,
0.2708

■ 60.2775, 0.2347,
0.2815

■ 66.1764, 0.2477,
0.2918

■ 72.7645, 0.2619,
0.3016

■ 80.0757, 0.2768,
0.3107

■ 88.1416, 0.2922,
0.3191

■ 96.9914, 0.3078,
0.3267

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



46.3172, 0.2059, 0.2889



46.3172, 0.2059, 0.2488



46.3172, 0.2304, 0.2329

Triad

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



46.3172, 0.2059, 0.2488



46.3172, 0.3983, 0.3035



46.3172, 0.3389, 0.4410

Complementary

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



46.3172, 0.2059, 0.2488



31.2966, 0.5564, 0.3737

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.



46.3172, 0.3946, 0.4324



46.3172, 0.2059, 0.2488



46.3172, 0.4328, 0.3501

Square

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



46.3172, 0.2059, 0.2488



46.3172, 0.3391, 0.2644



46.3172, 0.4303, 0.3966



46.3172, 0.2790, 0.4095

Rectangle

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



46.3172, 0.2059, 0.2488



46.3172, 0.2595, 0.2348



46.3172, 0.4303, 0.3966



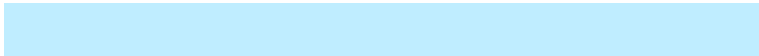
46.3172, 0.3587, 0.4423

Sweetspot

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



46.3188, 0.2059, 0.2488



78.7099, 0.2741, 0.3091



72.9996, 0.2860, 0.5327



16.2893, 0.2688, 0.3060



0.0000, 0.0000, 0.0000



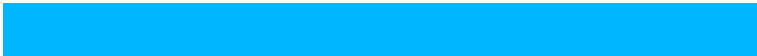
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3188, 0.2059, 0.2488



40.5553, 0.1974, 0.2306



14.8438, 0.1690, 0.1110



19.5473, 0.2980, 0.3220



21.4596, 0.1979, 0.2324



2.2768, 0.2013, 0.2447

Inverse Universe

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



26.8701, 0.3921, 0.2032



24.6252, 0.4120, 0.2043



67.0432, 0.4498, 0.4677



18.2061, 0.3182, 0.3122



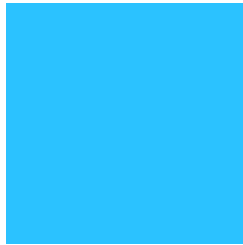
12.8943, 0.4102, 0.2033



1.2744, 0.3975, 0.1964

Previews

White Background



This preview shows how the Yxy color 46.3172, 0.2059, 0.2488 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 46.3172, 0.2059, 0.2488 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

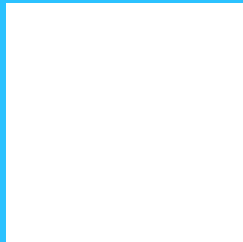
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3172, 0.2059, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 46.3172, 0.2059, 0.2488.



This preview shows how white text looks on a background with the Yxy color 46.3172, 0.2059, 0.2488.

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

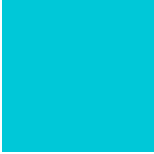
46.3172, 0.2059, 0.2488

Protanopia

45.4322, 0.2549, 0.2493

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

46.2664, 0.2182, 0.3055

Trichromacy



Original Color

46.3172, 0.2059, 0.2488



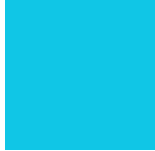
Protanomaly

44.4339, 0.2288, 0.2468



Deuteranomaly

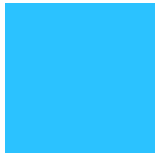
44.9457, 0.2229, 0.2392



Tritanomaly

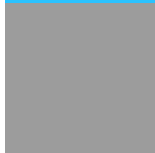
46.2115, 0.2130, 0.2838

Monochromacy



Original Color

46.3172, 0.2059, 0.2488



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.2001, 0.2530, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3172, 0.2059, 0.2488 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(43, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3172, 0.2059, 0.2488 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(43, 194, 255) }
```

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

```
.border{ border-color:rgb(43, 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(43, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3172, 0.2059, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 194, 255) }
```

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

```
.background{ background-color: rgb(43, 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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