

Converting Colors

$Y_{xy}(47.6079, 0.2082, 0.2524)$

Have a look what the booklet for
Yxy(47.6079, 0.2082, 0.2524)
contains.

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Color

Yxy(47.4037, 0.2080, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	33C4FF
RGB	51, 196, 255
RGB Percent	20%, 77%, 100%
CMY	0.7997, 0.2314, 0.0000
CMYK	0.80, 0.23, 0.00, 0.00
HSL	197°, 100%, 60%
HSV	197°, 80%, 100%
XYZ	39.1579, 47.4037, 101.6977
YIQ	159.3710, -105.3590, -12.3910

Conversions

Conversions Part 2

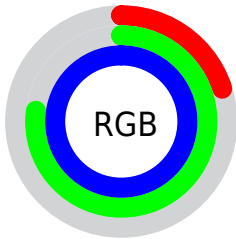
Format	Color
R _{YB}	51, 136, 255
Decimal	3392767
CIE _{Lab}	74.45, -17.81, -39.56
CIE _{LCh}	74, 43.382, 245.758
Y _{xy}	47.4037, 0.2080, 0.2518
Android (android.graphics.Color)	4281582847 (0xFF33C4FF)
YUV	159.3710, 47.1451, -95.0414
Hunter-Lab	68.8503, -18.9680, -39.3810

Details

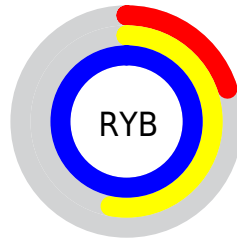
The Yxy color **47.4037, 0.2080, 0.2518** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.6683, 0.5449, 0.3753**, and the grayscale version is **34.6762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1377, 0.2474, 0.3265**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **43.6662, 0.2017, 0.2408**, and if you desaturate by 10%, it is **51.6701, 0.2164, 0.2629**.

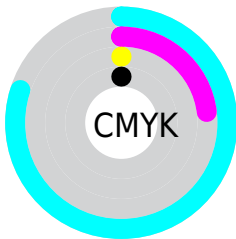
Distribution



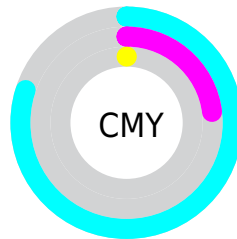
- Red (20%)
- Green (77%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4037, 0.2080, 0.2518 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 47.4037, 0.2080, 0.2518 by changing the saturation by 10% instead.


 47.4037, 0.2080,
0.2518

 47.4037, 0.2080,
0.2518


376.4236, 0.2573,
0.2902


 33.3549, 0.1968,
0.2426


 86.3159, 0.2251,
0.2655

 22.3985, 0.1831,
0.2310


 111.9481, 0.2318,
0.2708

 14.1500, 0.1661,
0.2161


 142.2102, 0.2375,
0.2752

 8.2251, 0.1446,
0.1965

 177.4867, 0.2425,
0.2791

 4.2393, 0.1170,
0.1701

218.1619, 0.2469,
0.2824

 1.8083, 0.0820,
0.1336

264.6202, 0.2508,

 0.4923, 0.0053,

0.2853

0.0791

317.2459, 0.2542,
0.2879

0.0000, 0.0000,
0.0000

47.4037, 0.2080,
0.2518

47.4037, 0.2080,
0.2518

43.6662, 0.2017,
0.2408

51.6701, 0.2164,
0.2629

40.3670, 0.1972,
0.2299

56.5158, 0.2267,
0.2739

40.3575, 0.1972,
0.2299

61.9879, 0.2387,
0.2846

68.1265, 0.2521,
0.2948

74.9678, 0.2666,
0.3045

■ 82.5451, 0.2818,
0.3134

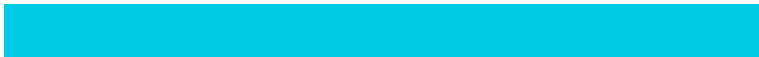
■ 90.8891, 0.2972,
0.3216

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.4037, 0.2088, 0.2919



47.4037, 0.2080, 0.2518



47.4037, 0.2313, 0.2354

Triad

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



47.4037, 0.2080, 0.2518



47.4037, 0.3944, 0.3028



47.4037, 0.3404, 0.4382

Complementary

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



47.4037, 0.2080, 0.2518



32.6683, 0.5449, 0.3753

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.



47.4037, 0.3943, 0.4290



47.4037, 0.2080, 0.2518



47.4037, 0.4290, 0.3483

Square

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



47.4037, 0.2080, 0.2518



47.4037, 0.3363, 0.2648



47.4037, 0.4280, 0.3938



47.4037, 0.2819, 0.4088

Rectangle

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



47.4037, 0.2080, 0.2518



47.4037, 0.2592, 0.2367



47.4037, 0.4280, 0.3938



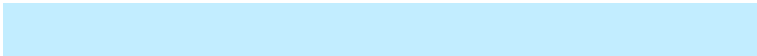
47.4037, 0.3597, 0.4391

Sweetspot

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



47.4050, 0.2080, 0.2518



79.4010, 0.2756, 0.3099



73.3268, 0.2855, 0.5249



16.4219, 0.2702, 0.3067



0.0000, 0.0000, 0.0000



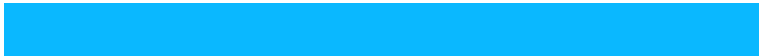
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4050, 0.2080, 0.2518



41.6382, 0.1989, 0.2342



16.1571, 0.1728, 0.1186



19.5413, 0.2980, 0.3220



21.3571, 0.1977, 0.2317



2.2675, 0.2012, 0.2441

Inverse Universe

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



27.6198, 0.3886, 0.2049



24.9493, 0.4080, 0.2035



67.9971, 0.4461, 0.4660



18.2055, 0.3183, 0.3123



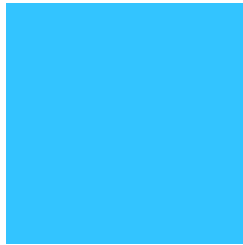
12.8840, 0.4109, 0.2037



1.2734, 0.3981, 0.1967

Previews

White Background



This preview shows how the Yxy color 47.4037, 0.2080, 0.2518 looks on a white background.

Color Contrast Check

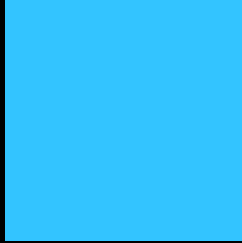
Large Text (above 18pt) WCAG AA × Fail

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 47.4037, 0.2080, 0.2518 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

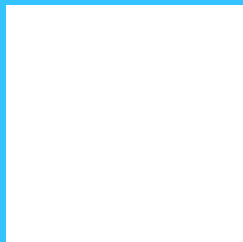
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4037, 0.2080, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 47.4037, 0.2080, 0.2518.



This preview shows how white text looks on a background with the Yxy color 47.4037, 0.2080, 0.2518.

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

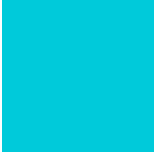
47.4037, 0.2080, 0.2518

Protanopia

46.5435, 0.2572, 0.2523

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



Original Color

47.4037, 0.2080, 0.2518

Protanomaly

45.6243, 0.2318, 0.2500

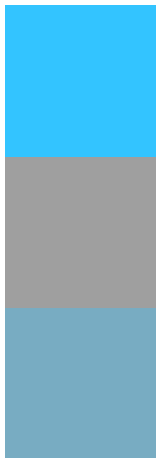
Deuteranomaly

46.1197, 0.2257, 0.2423

Tritanomaly

47.2165, 0.2137, 0.2854

Monochromacy



Original Color

47.4037, 0.2080, 0.2518

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

37.3932, 0.2555, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4037, 0.2080, 0.2518 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(51, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.4037, 0.2080, 0.2518 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(51, 196, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4037, 0.2080, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 196, 255) }
```

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

```
.background{ background-color: rgb(51, 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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