

Converting Colors

$Y_{xy}(46.5021, 0.2058, 0.2530)$

Have a look what the booklet for
Yxy(46.5021, 0.2058, 0.2530)
contains.

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Color

Yxy(46.3818, 0.2059, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	21C3FC
RGB	33, 195, 252
RGB Percent	13%, 76%, 99%
CMY	0.8704, 0.2353, 0.0117
CMYK	0.87, 0.23, 0.00, 0.01
HSL	196°, 97%, 56%
HSV	196°, 87%, 99%
XYZ	37.7173, 46.3818, 99.0834
YIQ	153.0600, -114.8490, -16.6170

Conversions

Conversions Part 2

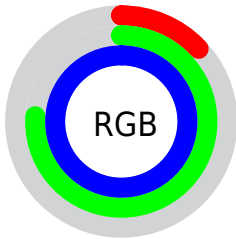
Format	Color
R _Y B	33, 126, 252
Decimal	2212860
CIE Lab	73.79, -19.61, -39.00
CIE LCh	74, 43.649, 243.303
Yxy	46.3818, 0.2059, 0.2532
Android (android.graphics.Color)	4280402940 (0xFF21C3FC)
YUV	153.0600, 48.7774, -105.2926
Hunter-Lab	68.1042, -20.3260, -38.5869

Details

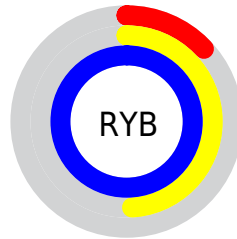
The Yxy color **46.3818, 0.2059, 0.2532** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.1388, 0.5743, 0.3665**, and the grayscale version is **31.7127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8339, 0.2439, 0.3253**, and **22.9899, 0.1989, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **43.2325, 0.2013, 0.2435**, and if you desaturate by 10%, it is **49.9731, 0.2124, 0.2631**.

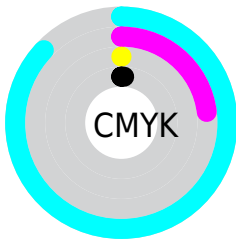
Distribution



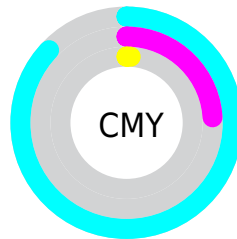
- Red (13%)
- Green (76%)
- Blue (99%)



- Red (13%)
- Yellow (49%)
- Blue (99%)



- Cyan (87%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)





- Cyan (87%)
- Magenta (24%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3818, 0.2059, 0.2532 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 46.3818, 0.2059, 0.2532 by changing the saturation by 10% instead.

 46.3818, 0.2059,
0.2532


 46.3818, 0.2059,
0.2532


 372.3415, 0.2563,
0.2912

 32.5472, 0.1944,
0.2440


 84.7901, 0.2234,
0.2669


 21.7798, 0.1804,
0.2323


 110.1326, 0.2302,
0.2721


 13.6952, 0.1629,
0.2174


 140.0799, 0.2361,
0.2765

 7.9090, 0.1409,
0.1976

 175.0163, 0.2412,
0.2803

 4.0368, 0.1127,
0.1706

 215.3263, 0.2457,
0.2835

 1.6941, 0.0770,
0.1332

 261.3942, 0.2496,

 0.4199, 0.0000,

0.2864

0.0731

313.6045, 0.2532,
0.2890

■ 0.0000, 0.0000,
0.0000

■ 46.3818, 0.2059,
0.2532

■ 46.3818, 0.2059,
0.2532

■ 43.2325, 0.2013,
0.2435

■ 49.9731, 0.2124,
0.2631

■ 42.3110, 0.2001,
0.2405

■ 54.0634, 0.2210,
0.2729

■ 58.7035, 0.2314,
0.2827

■ 63.9352, 0.2435,
0.2921

■ 69.7956, 0.2570,
0.3011

■ 76.3186, 0.2715,
0.3095

■ 83.5348, 0.2866,
0.3173

■ 91.4731, 0.3020,
0.3245

■ 99.2217, 0.3145,
0.3310

Harmonies

Analogous

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



46.3818, 0.2088, 0.2956



46.3818, 0.2059, 0.2532



46.3818, 0.2275, 0.2347

Triad

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



46.3818, 0.2059, 0.2532



46.3818, 0.3913, 0.2989



46.3818, 0.3455, 0.4404

Complementary

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



46.3818, 0.2059, 0.2532



28.1388, 0.5743, 0.3665

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.



46.3818, 0.3990, 0.4281



46.3818, 0.2059, 0.2532



46.3818, 0.4290, 0.3445

Square

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



46.3818, 0.2059, 0.2532



46.3818, 0.3314, 0.2614



46.3818, 0.4309, 0.3909



46.3818, 0.2860, 0.4138

Rectangle

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



46.3818, 0.2059, 0.2532



46.3818, 0.2546, 0.2350



46.3818, 0.4309, 0.3909



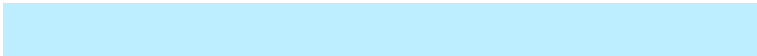
46.3818, 0.3648, 0.4401

Sweetspot

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



46.3834, 0.2059, 0.2532



78.9935, 0.2728, 0.3102



70.6647, 0.2890, 0.5489



16.3894, 0.2676, 0.3074



0.0000, 0.0000, 0.0000



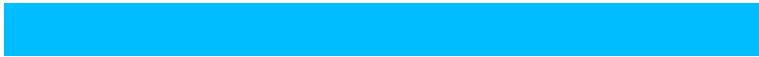
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3834, 0.2059, 0.2532



43.4363, 0.2001, 0.2404



14.3015, 0.1671, 0.1103



18.7985, 0.2980, 0.3227



22.2866, 0.2006, 0.2421



2.2358, 0.2038, 0.2537

Inverse Universe

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



25.7319, 0.3882, 0.1976



24.9161, 0.4019, 0.1988



60.8739, 0.4603, 0.4635



17.4428, 0.3178, 0.3116



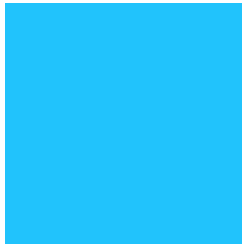
12.6607, 0.4002, 0.1978



1.1899, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 46.3818, 0.2059, 0.2532 looks on a white background.

Color Contrast Check

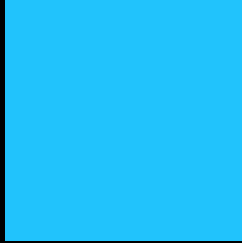
Large Text (above 18pt) WCAG AA × Fail

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 46.3818, 0.2059, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

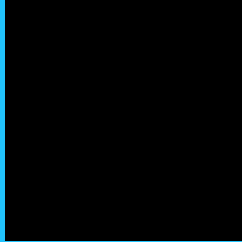
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

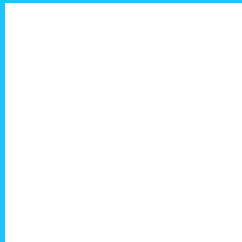
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3818, 0.2059, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 46.3818, 0.2059, 0.2532.



This preview shows how white text looks on a background with the Yxy color 46.3818, 0.2059, 0.2532.

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

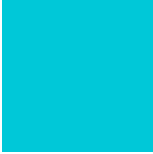
46.3818, 0.2059, 0.2532

Protanopia

45.8593, 0.2582, 0.2540

Deuteranopia

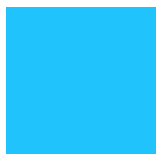
45.7362, 0.2423, 0.2362



Tritanopia

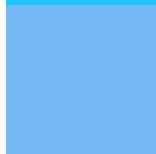
46.2664, 0.2182, 0.3055

Trichromacy



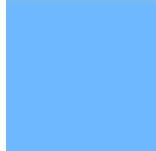
Original Color

46.3818, 0.2059, 0.2532



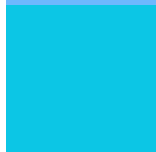
Protanomaly

44.5256, 0.2295, 0.2512



Deuteranomaly

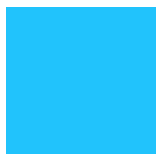
44.6879, 0.2220, 0.2400



Tritanomaly

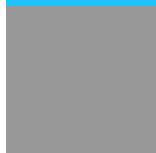
46.1235, 0.2131, 0.2850

Monochromacy



Original Color

46.3818, 0.2059, 0.2532



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9306, 0.2505, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3818, 0.2059, 0.2532 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(33, 195, 252)` looks like.

```
.text, #text, p{  
    color:rgb(33, 195, 252)  
}
```

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(33, 195, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 195, 252) }
```

Border

The CSS property to change the border of an element to Yxy 46.3818, 0.2059, 0.2532 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(33, 195, 252) }
```

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

```
.border{ border-color:rgb(33, 195, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 195, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 195, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 195, 252);  
box-shadow:4px 4px 4px 4px rgb(33, 195,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3818, 0.2059, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 195, 252) }
```

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

```
.background{ background-color: rgb(33, 195,  
252) }
```

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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