

Converting Colors

$Y_{xy}(47.8840, 0.2113, 0.2524)$

Have a look what the booklet for
Yxy(47.8840, 0.2113, 0.2524)
contains.

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Color

Yxy(47.8931, 0.2114, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	43C4FF
RGB	67, 196, 255
RGB Percent	26%, 77%, 100%
CMY	0.7366, 0.2314, 0.0000
CMYK	0.74, 0.23, 0.00, 0.00
HSL	199°, 100%, 63%
HSV	199°, 74%, 100%
XYZ	40.1133, 47.8931, 101.7444
YIQ	164.1550, -95.8230, -8.9990

Conversions

Conversions Part 2

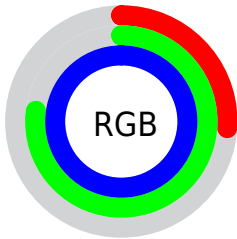
Format	Color
R _{YB}	67, 144, 255
Decimal	4441343
CIE _{Lab}	74.76, -16.15, -39.05
CIE _{LCh}	75, 42.259, 247.535
Y _{xy}	47.8931, 0.2114, 0.2524
Android (android.graphics.Color)	4282631423 (0xFF43C4FF)
YUV	164.1550, 44.7866, -85.2049
Hunter-Lab	69.2048, -17.6442, -38.7243

Details

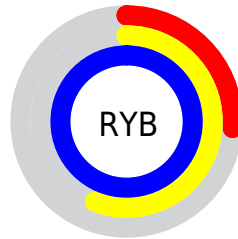
The Yxy color **47.8931, 0.2114, 0.2524** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.6337, 0.5173, 0.3810**, and the grayscale version is **37.0403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8738, 0.2508, 0.3266**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **43.6624, 0.2034, 0.2403**, and if you desaturate by 10%, it is **52.7157, 0.2214, 0.2645**.

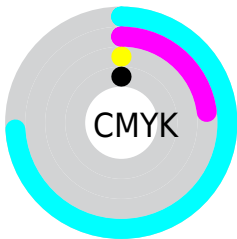
Distribution



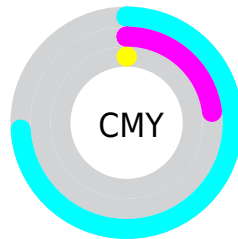
- Red (26%)
- Green (77%)
- Blue (100%)



- Red (26%)
- Yellow (56%)
- Blue (100%)



- Cyan (74%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8931, 0.2114, 0.2524 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 47.8931, 0.2114, 0.2524 by changing the saturation by 10% instead.

 47.8931, 0.2114,
0.2524


 47.8931, 0.2114,
0.2524


378.3682, 0.2592,
0.2903

 33.7422, 0.2005,
0.2433


 87.0452, 0.2280,
0.2660

 22.6957, 0.1872,
0.2319


 112.8153, 0.2344,
0.2711

 14.3689, 0.1706,
0.2173


 143.2272, 0.2400,
0.2755

 8.3777, 0.1496,
0.1981

 178.6653, 0.2448,
0.2793

 4.3376, 0.1225,
0.1721

219.5141, 0.2491,
0.2826

 1.8641, 0.0877,
0.1362

266.1579, 0.2528,

 0.5267, 0.0168,

0.2855

0.0831

318.9812, 0.2562,
0.2881

0.0000, 0.0000,
0.0000

47.8931, 0.2114,
0.2524

47.8931, 0.2114,
0.2524

43.6624, 0.2034,
0.2403

52.7157, 0.2214,
0.2645

39.9609, 0.1976,
0.2283

58.1758, 0.2332,
0.2763

37.8368, 0.1947,
0.2208

64.3174, 0.2465,
0.2877

71.1786, 0.2609,
0.2985

78.7942, 0.2760,
0.3085

■ 87.1964, 0.2915,
0.3178

■ 96.4151, 0.3071,
0.3261

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.



47.8931, 0.2108, 0.2902



47.8931, 0.2114, 0.2524



47.8931, 0.2355, 0.2375

Triad

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



47.8931, 0.2114, 0.2524



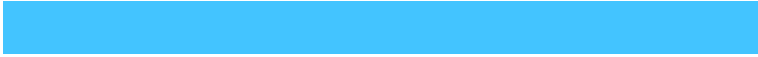
47.8931, 0.3948, 0.3061



47.8931, 0.3364, 0.4342

Complementary

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



47.8931, 0.2114, 0.2524



36.6337, 0.5173, 0.3810

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.



47.8931, 0.3895, 0.4277



47.8931, 0.2114, 0.2524



47.8931, 0.4266, 0.3507

Square

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



47.8931, 0.2114, 0.2524



47.8931, 0.3393, 0.2684



47.8931, 0.4236, 0.3948



47.8931, 0.2797, 0.4034

Rectangle

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



47.8931, 0.2114, 0.2524



47.8931, 0.2636, 0.2396



47.8931, 0.4236, 0.3948



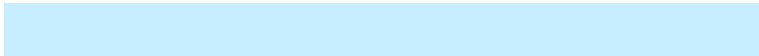
47.8931, 0.3553, 0.4359

Sweetspot

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



47.8942, 0.2114, 0.2524



80.1345, 0.2785, 0.3101



74.1621, 0.2839, 0.5049



16.6861, 0.2744, 0.3075



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.



47.8942, 0.2114, 0.2524



41.9952, 0.2006, 0.2350



18.4676, 0.1805, 0.1313



19.4622, 0.2980, 0.3214



20.0501, 0.1952, 0.2228



2.1481, 0.1990, 0.2363

Inverse Universe

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



29.2789, 0.3869, 0.2128



25.7010, 0.4065, 0.2072



71.5164, 0.4354, 0.4635



18.1975, 0.3186, 0.3128



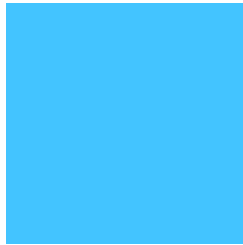
12.7520, 0.4203, 0.2089



1.2614, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 47.8931, 0.2114, 0.2524 looks on a white background.

Color Contrast Check

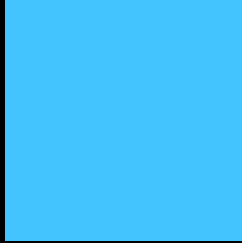
Large Text (above 18pt) WCAG AA × Fail

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 47.8931, 0.2114, 0.2524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

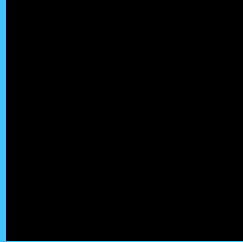
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

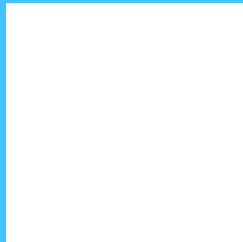
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8931, 0.2114, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 47.8931, 0.2114, 0.2524.

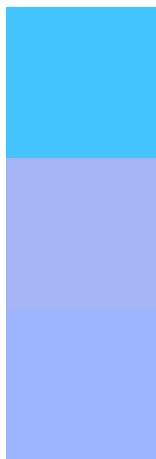


This preview shows how white text looks on a background with the Yxy color 47.8931, 0.2114, 0.2524.

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

47.8931, 0.2114, 0.2524

Protanopia

47.1129, 0.2575, 0.2526

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

48.1664, 0.2210, 0.3059

Trichromacy



Original Color

47.8931, 0.2114, 0.2524

Protanomaly

46.5003, 0.2351, 0.2519

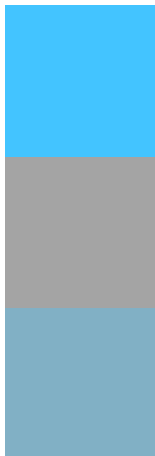
Deuteranomaly

46.6229, 0.2290, 0.2430

Tritanomaly

47.7156, 0.2167, 0.2845

Monochromacy



Original Color

47.8931, 0.2114, 0.2524

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.7490, 0.2604, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8931, 0.2114, 0.2524 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(67, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 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(67, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8931, 0.2114, 0.2524 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(67, 196, 255) }
```

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

```
.border{ border-color:rgb(67, 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(67, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8931, 0.2114, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 196, 255) }
```

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

```
.background{ background-color: rgb(67, 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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