

Converting Colors

$Y_{xy}(50.2548, 0.2269, 0.2456)$

Have a look what the booklet for
Yxy(50.2548, 0.2269, 0.2456)
contains.

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Color

Yxy(49.9411, 0.2301, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	7AC2FF
RGB	122, 194, 255
RGB Percent	48%, 76%, 100%
CMY	0.5216, 0.2392, 0.0000
CMYK	0.52, 0.24, 0.00, 0.00
HSL	208°, 100%, 74%
HSV	208°, 52%, 100%
XYZ	45.3669, 49.9411, 101.8538
YIQ	179.4260, -62.4930, 3.7070

Conversions

Conversions Part 2

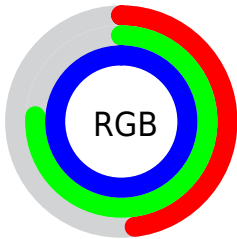
Format	Color
R _Y B	122, 169, 255
Decimal	8045311
CIE Lab	76.03, -5.94, -36.92
CIE LCh	76, 37.397, 260.860
Yxy	49.9411, 0.2301, 0.2533
Android (android.graphics.Color)	4286235391 (0xFF7AC2FF)
YUV	179.4260, 37.2580, -50.3626
Hunter-Lab	70.6690, -9.0803, -35.9852

Details

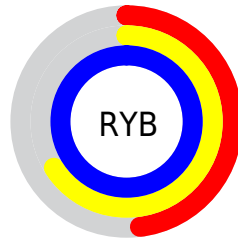
The Yxy color **49.9411, 0.2301, 0.2533** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5301, 0.4275, 0.3918**, and the grayscale version is **45.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4150, 0.2700, 0.3235**, and **24.0568, 0.2099, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **43.3167, 0.2160, 0.2355**, and if you desaturate by 10%, it is **57.4670, 0.2454, 0.2703**.

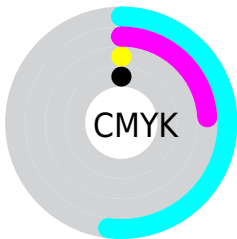
Distribution



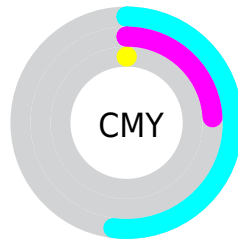
- Red (48%)
- Green (76%)
- Blue (100%)



- Red (48%)
- Yellow (66%)
- Blue (100%)



- Cyan (52%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9411, 0.2301, 0.2533 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 49.9411, 0.2301, 0.2533 by changing the saturation by 10% instead.

■ 49.9411, 0.2301,
0.2533

■ 49.9411, 0.2301,
0.2533

■ 386.4356, 0.2694,
0.2899

■ 35.3666, 0.2210,
0.2447

■ 90.0876, 0.2438,
0.2662

■ 23.9454, 0.2099,
0.2340

■ 116.4284, 0.2491,
0.2712

■ 15.2931, 0.1957,
0.2203

■ 147.4601, 0.2537,
0.2755

■ 9.0254, 0.1775,
0.2025

■ 183.5670, 0.2577,
0.2791

■ 4.7577, 0.1534,
0.1784

■ 225.1337, 0.2611,
0.2824

■ 2.1058, 0.1209,
0.1451

■ 272.5444, 0.2642,

■ 0.6679, 0.0712,

0.2852

0.0971

326.1835, 0.2669,
0.2877

0.0000, 0.0000,
0.0000

49.9411, 0.2301,
0.2533

49.9411, 0.2301,
0.2533

43.3167, 0.2160,
0.2355

57.4670, 0.2454,
0.2703

37.5400, 0.2035,
0.2174

65.9329, 0.2614,
0.2863

32.5580, 0.1931,
0.1993

75.3811, 0.2776,
0.3011

28.3063, 0.1851,
0.1818

85.8492, 0.2937,
0.3145

25.4118, 0.1802,
0.1687

97.3726, 0.3094,
0.3266

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



49.9411, 0.2201, 0.2784



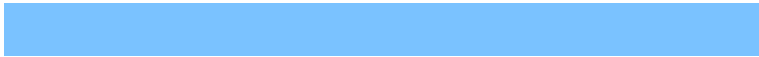
49.9411, 0.2301, 0.2533



49.9411, 0.2606, 0.2483

Triad

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



49.9411, 0.2301, 0.2533



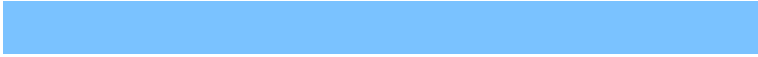
49.9411, 0.3999, 0.3266



49.9411, 0.3117, 0.4118

Complementary

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



49.9411, 0.2301, 0.2533



56.5301, 0.4275, 0.3918

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.



49.9411, 0.3614, 0.4212



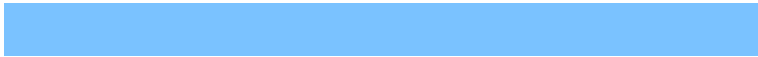
49.9411, 0.2301, 0.2533



49.9411, 0.4149, 0.3670

Square

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



49.9411, 0.2301, 0.2533



49.9411, 0.3591, 0.2893



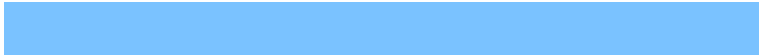
49.9411, 0.3998, 0.4023



49.9411, 0.2645, 0.3731

Rectangle

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



49.9411, 0.2301, 0.2533



49.9411, 0.2903, 0.2552



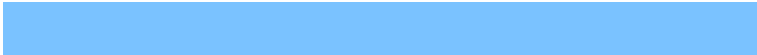
49.9411, 0.3998, 0.4023



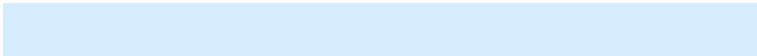
49.9411, 0.3286, 0.4185

Sweetspot

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



49.9429, 0.2301, 0.2533



81.7034, 0.2876, 0.3095



79.0278, 0.2779, 0.4205



17.0261, 0.2843, 0.3067



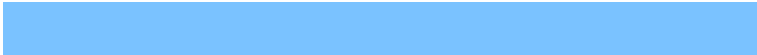
0.0000, 0.0000, 0.0000



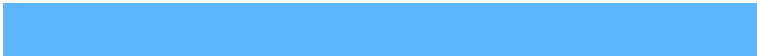
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9429, 0.2301, 0.2533



42.7977, 0.2148, 0.2340



26.9664, 0.2133, 0.1697



19.0072, 0.2979, 0.3178



13.5808, 0.1810, 0.1714



1.5409, 0.1863, 0.1908

Inverse Universe

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



39.0744, 0.3798, 0.2562



32.6773, 0.4013, 0.2444



90.0141, 0.3919, 0.4499



18.1516, 0.3209, 0.3162



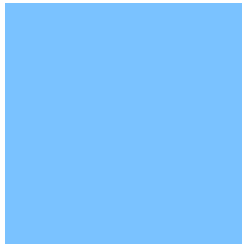
12.0990, 0.4789, 0.2412



1.2001, 0.4559, 0.2285

Previews

White Background



This preview shows how the Yxy color 49.9411, 0.2301, 0.2533 looks on a white background.

Color Contrast Check

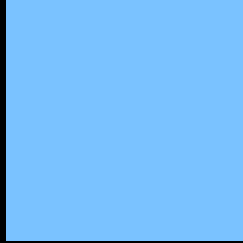
Large Text (above 18pt) WCAG AA × Fail

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 49.9411, 0.2301, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

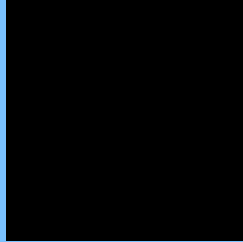
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

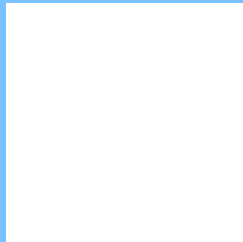
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9411, 0.2301, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 49.9411, 0.2301, 0.2533.



This preview shows how white text looks on a background with the Yxy color 49.9411, 0.2301, 0.2533.

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

49.9411, 0.2301, 0.2533

Protanopia

49.4933, 0.2579, 0.2530

Deuteranopia

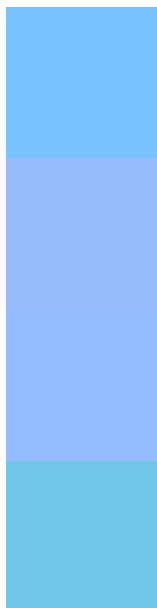
49.5003, 0.2514, 0.2454



Tritanopia

50.0343, 0.2437, 0.3070

Trichromacy



Original Color

49.9411, 0.2301, 0.2533

Protanomaly

49.6069, 0.2463, 0.2528

Deuteranomaly

49.5760, 0.2426, 0.2483

Tritanomaly

49.7351, 0.2384, 0.2853

Monochromacy



Original Color

49.9411, 0.2301, 0.2533

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.0551, 0.2756, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9411, 0.2301, 0.2533 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(122, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9411, 0.2301, 0.2533 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(122, 194, 255) }
```

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

```
.border{ border-color:rgb(122, 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(122, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9411, 0.2301, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 194, 255) }
```

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

```
.background{ background-color: rgb(122,  
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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