

Converting Colors

$Yxy(48.1678, 0.2120, 0.1991)$

Have a look what the booklet for
Yxy(48.1678, 0.2120, 0.1991)
contains.

Yxy(45.1879, 0.2294, 0.2381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.1879, 0.2294, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	7FB6FF
RGB	127, 182, 255
RGB Percent	50%, 71%, 100%
CMY	0.5018, 0.2863, 0.0000
CMYK	0.50, 0.29, 0.00, 0.00
HSL	214°, 100%, 75%
HSV	214°, 50%, 100%
XYZ	43.5368, 45.1879, 101.0607
YIQ	173.8770, -56.2130, 11.0430

Conversions

Conversions Part 2

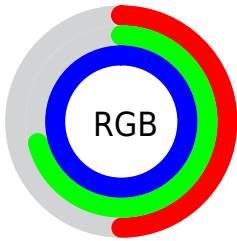
Format	Color
RYB	127, 165, 255
Decimal	8369919
CIELab	73.02, 1.74, -41.62
CIElCh	73, 41.653, 272.394
Yxy	45.1879, 0.2294, 0.2381
Android (android.graphics.Color)	4286559999 (0xFF7FB6FF)
YUV	173.8770, 39.9936, -41.1111
Hunter-Lab	67.2219, -2.0316, -42.0806

Details

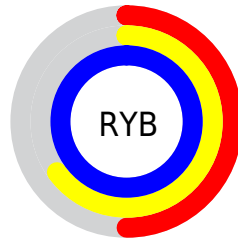
The Yxy color **45.1879, 0.2294, 0.2381** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.1180, 0.4138, 0.4036**, and the grayscale version is **42.0759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6834, 0.2707, 0.3104**, and **20.9360, 0.2078, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **37.8185, 0.2134, 0.2159**, and if you desaturate by 10%, it is **53.6710, 0.2463, 0.2594**.

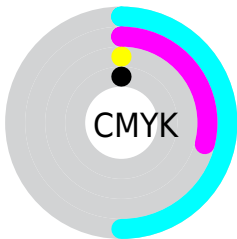
Distribution



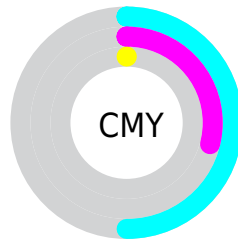
- Red (50%)
- Green (71%)
- Blue (100%)



- Red (50%)
- Yellow (65%)
- Blue (100%)



- Cyan (50%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1879, 0.2294, 0.2381 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 45.1879, 0.2294, 0.2381 by changing the saturation by 10% instead.

■ 45.1879, 0.2294,
0.2381

■ 45.1879, 0.2294,
0.2381

■ 367.5340, 0.2697,
0.2818

■ 31.6055, 0.2200,
0.2279

■ 83.0023, 0.2436,
0.2535

■ 21.0603, 0.2083,
0.2153

■ 108.0031, 0.2491,
0.2594

■ 13.1681, 0.1934,
0.1994

■ 137.5787, 0.2538,
0.2645

■ 7.5444, 0.1742,
0.1788

■ 172.1136, 0.2578,
0.2689

■ 3.8048, 0.1486,
0.1516

■ 211.9922, 0.2613,
0.2727

■ 1.5650, 0.1141,
0.1152

■ 257.5989, 0.2645,

■ 0.3338, 0.0571,

0.2761

0.0530

309.3180, 0.2672,
0.2791

0.0000, 0.0000,
0.0000

45.1879, 0.2294,
0.2381

45.1879, 0.2294,
0.2381

37.8185, 0.2134,
0.2159

53.6710, 0.2463,
0.2594

31.5069, 0.1989,
0.1934

63.3210, 0.2634,
0.2793

26.1895, 0.1866,
0.1713

74.1860, 0.2804,
0.2975

21.7931, 0.1769,
0.1504

86.3112, 0.2968,
0.3140

18.2696, 0.1699,
0.1317

99.7394, 0.3124,
0.3287

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.



45.1879, 0.2091, 0.2569



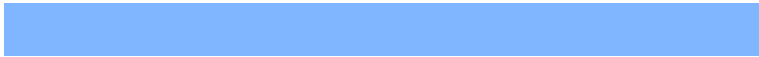
45.1879, 0.2294, 0.2381



45.1879, 0.2715, 0.2411

Triad

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



45.1879, 0.2294, 0.2381



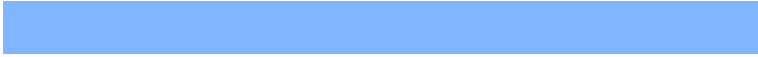
45.1879, 0.4240, 0.3429



45.1879, 0.2889, 0.4117

Complementary

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



45.1879, 0.2294, 0.2381



64.1180, 0.4138, 0.4036

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.



45.1879, 0.3463, 0.4361



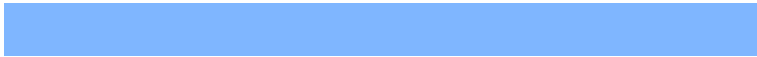
45.1879, 0.2294, 0.2381



45.1879, 0.4271, 0.3879

Square

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



45.1879, 0.2294, 0.2381



45.1879, 0.3868, 0.2988



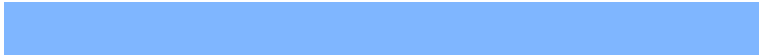
45.1879, 0.3974, 0.4239



45.1879, 0.2406, 0.3572

Rectangle

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



45.1879, 0.2294, 0.2381



45.1879, 0.3088, 0.2537



45.1879, 0.3974, 0.4239



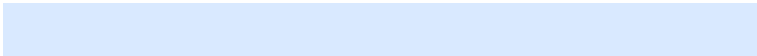
45.1879, 0.3077, 0.4240

Sweetspot

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



45.1875, 0.2294, 0.2381



80.3125, 0.2890, 0.3063



80.1832, 0.2717, 0.3969



16.6482, 0.2855, 0.3028



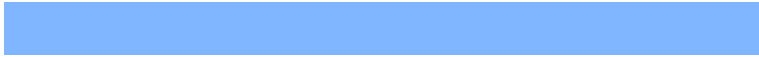
0.0000, 0.0000, 0.0000



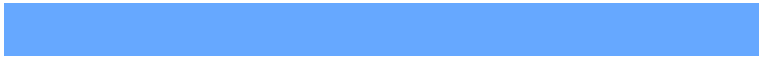
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1875, 0.2294, 0.2381



37.9448, 0.2137, 0.2164



27.6037, 0.2214, 0.1710



18.6607, 0.2979, 0.3151



9.8289, 0.1708, 0.1347



1.1688, 0.1769, 0.1567

Inverse Universe

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



39.8234, 0.3922, 0.2727



33.5793, 0.4169, 0.2640



92.7307, 0.3805, 0.4537



18.1166, 0.3226, 0.3188



11.7202, 0.5262, 0.2673



1.1625, 0.4972, 0.2513

Previews

White Background



This preview shows how the Yxy color 45.1879, 0.2294, 0.2381 looks on a white background.

Color Contrast Check

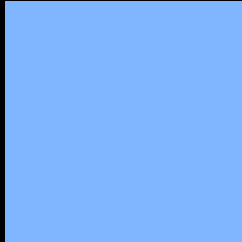
Large Text (above 18pt) WCAG AA × Fail

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 45.1879, 0.2294, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

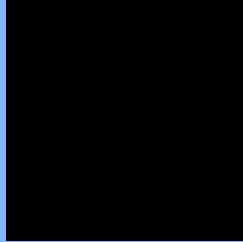
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

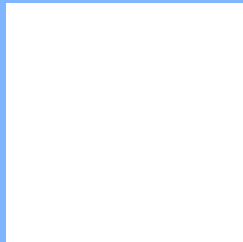
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1879, 0.2294, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 45.1879, 0.2294, 0.2381.



This preview shows how white text looks on a background with the Yxy color 45.1879, 0.2294, 0.2381.

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

45.1879, 0.2294, 0.2381

Protanopia

45.0207, 0.2470, 0.2392

Deuteranopia

45.0538, 0.2403, 0.2345



Tritanopia

45.1461, 0.2472, 0.3062

Trichromacy



Original Color

45.1879, 0.2294, 0.2381

Protanomaly

44.8888, 0.2397, 0.2382

Deuteranomaly

45.1229, 0.2361, 0.2360

Tritanomaly

45.1302, 0.2407, 0.2802

Monochromacy



Original Color

45.1879, 0.2294, 0.2381

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.9242, 0.2768, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1879, 0.2294, 0.2381 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(127, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 182, 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(127, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1879, 0.2294, 0.2381 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(127, 182, 255) }
```

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

```
.border{ border-color:rgb(127, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1879, 0.2294, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 182, 255) }
```

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

```
.background{ background-color: rgb(127,  
182, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor