

Converting Colors

$Yxy(43.8184, 0.2227, 0.2479)$

Have a look what the booklet for
Yxy(43.8184, 0.2227, 0.2479)
contains.

Yxy(43.8184, 0.2227, 0.2479)	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(43.8184, 0.2227, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	67B8F6
RGB	103, 184, 246
RGB Percent	40%, 72%, 96%
CMY	0.5963, 0.2784, 0.0353
CMYK	0.58, 0.25, 0.00, 0.04
HSL	206°, 89%, 68%
HSV	206°, 58%, 96%
XYZ	39.3641, 43.8184, 93.5759
YIQ	166.8490, -68.1780, 2.1100

Conversions

Conversions Part 2

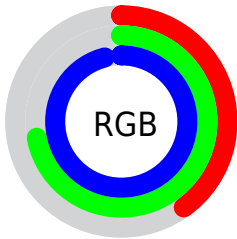
Format	Color
RYB	103, 155, 246
Decimal	6797558
CIELab	72.11, -7.07, -38.24
CIELCh	72, 38.891, 259.521
Yxy	43.8184, 0.2227, 0.2479
Android (android.graphics.Color)	4284987638 (0xFF67B8F6)
YUV	166.8490, 39.0214, -55.9956
Hunter-Lab	66.1955, -9.6945, -37.4773

Details

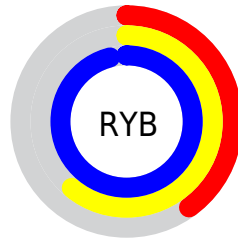
The Yxy color **43.8184, 0.2227, 0.2479** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.4618, 0.4473, 0.3939**, and the grayscale version is **38.3929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3267, 0.2596, 0.3121**, and **20.1679, 0.1999, 0.2264** is the 20% darker color. If you saturate the color by 10%, you get **38.3100, 0.2099, 0.2310**, and if you desaturate by 10%, it is **50.0915, 0.2370, 0.2643**.

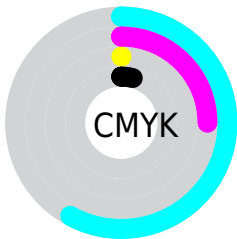
Distribution



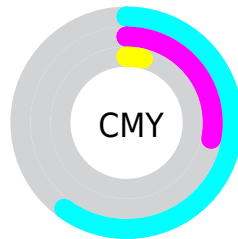
- Red (40%)
- Green (72%)
- Blue (96%)



- Red (40%)
- Yellow (61%)
- Blue (96%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)





- Cyan (60%)
- Magenta (28%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8184, 0.2227, 0.2479 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 43.8184, 0.2227, 0.2479 by changing the saturation by 10% instead.


 43.8184, 0.2227,
0.2479


 43.8184, 0.2227,
0.2479


361.9667, 0.2662,
0.2880


 30.5278, 0.2125,
0.2383


 80.9444, 0.2380,
0.2622

 20.2395, 0.1999,
0.2262


 105.5486, 0.2439,
0.2677

 12.5693, 0.1838,
0.2108


 134.6927, 0.2490,
0.2723

 7.1326, 0.1631,
0.1904

168.7612, 0.2534,
0.2763

 3.5452, 0.1356,
0.1628

208.1385, 0.2572,
0.2798

 1.4225, 0.0988,
0.1245

253.2089, 0.2605,

 0.2333, 0.0101,

0.2828

0.0482

304.3568, 0.2635,
0.2855

0.0000, 0.0000,
0.0000

43.8184, 0.2227,
0.2479

43.8184, 0.2227,
0.2479

38.3100, 0.2099,
0.2310

50.0915, 0.2370,
0.2643

33.5154, 0.1990,
0.2139

57.1657, 0.2523,
0.2799

29.3830, 0.1903,
0.1970


65.0800, 0.2682,
0.2945

25.8417, 0.1838,
0.1808

73.8693, 0.2842,
0.3079

25.2347, 0.1828,
0.1779

83.5657, 0.3001,
0.3200

 94.1999, 0.3155,
0.3309

 99.4342, 0.3179,
0.3376

Harmonies

Analogous

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



43.8184, 0.2130, 0.2755



43.8184, 0.2227, 0.2479



43.8184, 0.2543, 0.2419

Triad

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



43.8184, 0.2227, 0.2479



43.8184, 0.4061, 0.3241



43.8184, 0.3136, 0.4208

Complementary

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



43.8184, 0.2227, 0.2479



47.4618, 0.4473, 0.3939

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.



43.8184, 0.3672, 0.4289



43.8184, 0.2227, 0.2479



43.8184, 0.4236, 0.3674

Square

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



43.8184, 0.2227, 0.2479



43.8184, 0.3605, 0.2844



43.8184, 0.4082, 0.4064



43.8184, 0.2623, 0.3795

Rectangle

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



43.8184, 0.2227, 0.2479



43.8184, 0.2859, 0.2489



43.8184, 0.4082, 0.4064



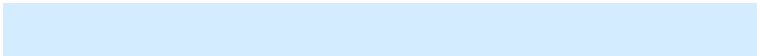
43.8184, 0.3319, 0.4275

Sweetspot

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



43.8200, 0.2227, 0.2479



81.2793, 0.2860, 0.3093



71.5101, 0.2767, 0.4365



16.9648, 0.2828, 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.



43.8200, 0.2227, 0.2479



40.4770, 0.2076, 0.2276



21.2302, 0.2018, 0.1526



17.4852, 0.2980, 0.3185



13.7529, 0.1835, 0.1805



1.4129, 0.1891, 0.2008

Inverse Universe

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



32.7451, 0.3867, 0.2458



29.6982, 0.4100, 0.2348



80.8334, 0.4008, 0.4590



16.6399, 0.3205, 0.3157



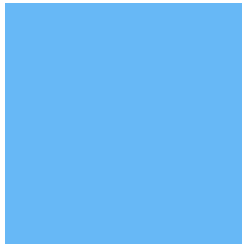
11.4877, 0.4679, 0.2351



1.0303, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 43.8184, 0.2227, 0.2479 looks on a white background.

Color Contrast Check

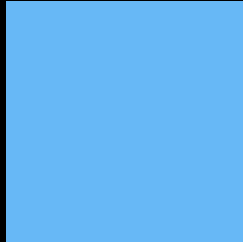
Large Text (above 18pt) WCAG AA × Fail

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 43.8184, 0.2227, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

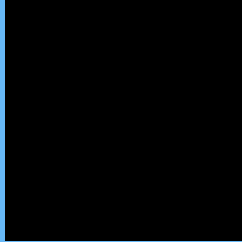
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

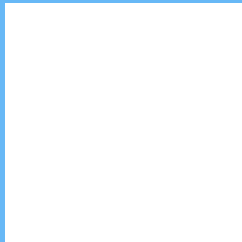
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8184, 0.2227, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 43.8184, 0.2227, 0.2479.

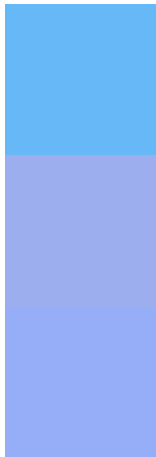


This preview shows how white text looks on a background with the Yxy color 43.8184, 0.2227, 0.2479.

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

43.8184, 0.2227, 0.2479

Protanopia

43.6132, 0.2541, 0.2491

Deuteranopia

43.5334, 0.2440, 0.2378



Tritanopia

43.7928, 0.2360, 0.3056

Trichromacy



Original Color

43.8184, 0.2227, 0.2479

Protanomaly

43.5100, 0.2406, 0.2486

Deuteranomaly

43.5427, 0.2353, 0.2418

Tritanomaly

43.5141, 0.2308, 0.2826

Monochromacy



Original Color

43.8184, 0.2227, 0.2479

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.8020, 0.2713, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8184, 0.2227, 0.2479 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(103, 184, 246)` looks like.

```
.text, #text, p{  
    color:rgb(103, 184, 246)  
}
```

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(103, 184, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 184, 246) }
```

Border

The CSS property to change the border of an element to Yxy 43.8184, 0.2227, 0.2479 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(103, 184, 246) }
```

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

```
.border{ border-color:rgb(103, 184, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 184, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 184, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 184, 246);  
box-shadow:4px 4px 4px 4px rgb(103, 184,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8184, 0.2227, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 184, 246) }
```

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

```
.background{ background-color: rgb(103,  
184, 246) }
```

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