

Converting Colors

$Y_{xy}(43.8779, 0.2232, 0.2480)$

Have a look what the booklet for
Yxy(43.8779, 0.2232, 0.2480)
contains.

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Color

Yxy(43.8779, 0.2232, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	68B8F6
RGB	104, 184, 246
RGB Percent	41%, 72%, 96%
CMY	0.5917, 0.2785, 0.0354
CMYK	0.58, 0.25, 0.00, 0.04
HSL	206°, 89%, 69%
HSV	206°, 58%, 96%
XYZ	39.4901, 43.8779, 93.5590
YIQ	167.1480, -67.5820, 2.3220

Conversions

Conversions Part 2

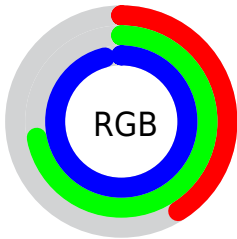
Format	Color
RYB	104, 155, 246
Decimal	6863094
CIELab	72.15, -6.85, -38.16
CIELCh	72, 38.772, 259.827
Yxy	43.8779, 0.2232, 0.2480
Android (android.graphics.Color)	4285053174 (0xFF68B8F6)
YUV	167.1480, 38.8740, -55.3808
Hunter-Lab	66.2404, -9.5055, -37.3739

Details

The Yxy color **43.8779, 0.2232, 0.2480** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.8986, 0.4455, 0.3940**, and the grayscale version is **38.5638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4327, 0.2601, 0.3121**, and **20.1980, 0.2004, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **38.3174, 0.2103, 0.2309**, and if you desaturate by 10%, it is **50.2101, 0.2376, 0.2646**.

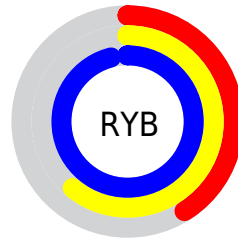
Distribution



Red (41%)

Green (72%)

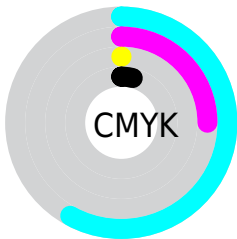
Blue (96%)



Red (41%)

Yellow (61%)

Blue (96%)

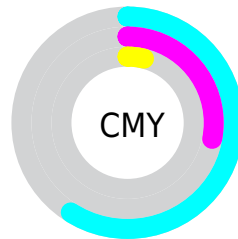


Cyan (58%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (59%)

Magenta (28%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8779, 0.2232, 0.2480 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 43.8779, 0.2232, 0.2480 by changing the saturation by 10% instead.

■ 43.8779, 0.2232,
0.2480

■ 43.8779, 0.2232,
0.2480

■ 362.2098, 0.2665,
0.2880

■ 30.5745, 0.2131,
0.2384

■ 81.0340, 0.2385,
0.2623

■ 20.2751, 0.2005,
0.2264

■ 105.6555, 0.2443,
0.2677

■ 12.5952, 0.1845,
0.2110

■ 134.8185, 0.2494,
0.2724

■ 7.1504, 0.1638,
0.1906

■ 168.9074, 0.2537,
0.2764

■ 3.5563, 0.1364,
0.1630

■ 208.3066, 0.2575,
0.2798

■ 1.4286, 0.0997,
0.1249

■ 253.4004, 0.2608,

■ 0.2377, 0.0121,

0.2829

0.0489

304.5734, 0.2638,
0.2856

0.0000, 0.0000,
0.0000

43.8779, 0.2232,
0.2480

43.8779, 0.2232,
0.2480

38.3174, 0.2103,
0.2309

50.2101, 0.2376,
0.2646

33.4780, 0.1992,
0.2137

57.3504, 0.2530,
0.2803

29.3081, 0.1904,
0.1967

65.3380, 0.2689,
0.2949

25.7393, 0.1838,
0.1803

74.2075, 0.2850,
0.3083

24.9739, 0.1824,
0.1766

83.9914, 0.3008,
0.3205

94.7202, 0.3162,
0.3314

99.4325, 0.3179,
0.3376

Harmonies

Analogous

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



43.8779, 0.2133, 0.2753



43.8779, 0.2232, 0.2480



43.8779, 0.2550, 0.2422

Triad

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



43.8779, 0.2232, 0.2480



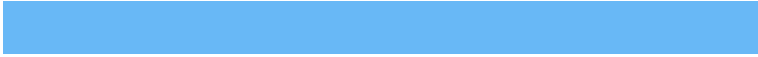
43.8779, 0.4061, 0.3245



43.8779, 0.3130, 0.4202

Complementary

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



43.8779, 0.2232, 0.2480



47.8986, 0.4455, 0.3940

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.



43.8779, 0.3665, 0.4286



43.8779, 0.2232, 0.2480



43.8779, 0.4233, 0.3678

Square

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



43.8779, 0.2232, 0.2480



43.8779, 0.3609, 0.2850



43.8779, 0.4076, 0.4065



43.8779, 0.2621, 0.3788

Rectangle

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



43.8779, 0.2232, 0.2480



43.8779, 0.2865, 0.2493



43.8779, 0.4076, 0.4065



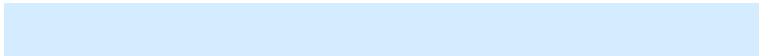
43.8779, 0.3313, 0.4270

Sweetspot

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



43.8795, 0.2232, 0.2480



81.1899, 0.2860, 0.3091



71.5864, 0.2769, 0.4354



16.9437, 0.2828, 0.3066



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.



43.8795, 0.2232, 0.2480



40.7734, 0.2085, 0.2284



21.5394, 0.2027, 0.1542



17.4750, 0.2980, 0.3184



13.6169, 0.1831, 0.1793



1.4012, 0.1888, 0.1997

Inverse Universe

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



32.9721, 0.3864, 0.2469



30.0784, 0.4088, 0.2361



80.8822, 0.4002, 0.4581



16.6388, 0.3205, 0.3158



11.4740, 0.4694, 0.2360



1.0291, 0.4456, 0.2229

Previews

White Background



This preview shows how the Yxy color 43.8779, 0.2232, 0.2480 looks on a white background.

Color Contrast Check

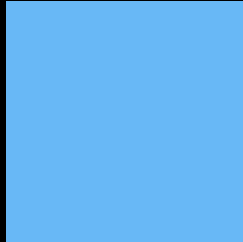
Large Text (above 18pt) WCAG AA × Fail

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 43.8779, 0.2232, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

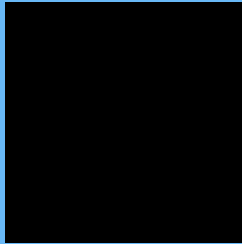
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

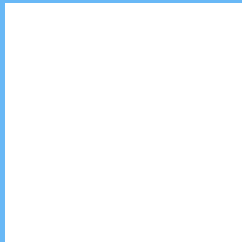
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8779, 0.2232, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 43.8779, 0.2232, 0.2480.

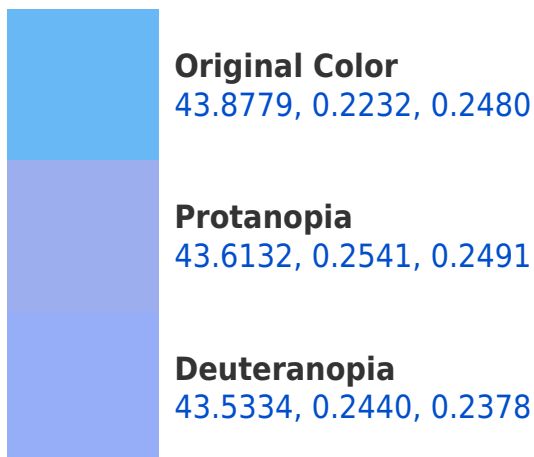


This preview shows how white text looks on a background with the Yxy color 43.8779, 0.2232, 0.2480.

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





Tritanopia

43.8413, 0.2364, 0.3056

Trichromacy



Original Color

43.8779, 0.2232, 0.2480

Protanomaly

43.5949, 0.2412, 0.2487

Deuteranomaly

43.5427, 0.2353, 0.2418

Tritanomaly

43.5666, 0.2313, 0.2826

Monochromacy



Original Color

43.8779, 0.2232, 0.2480

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 43.8779, 0.2232, 0.2480 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(104, 184, 246)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 184, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 184, 246) }
```

Border

The CSS property to change the border of an element to Yxy 43.8779, 0.2232, 0.2480 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(104, 184, 246) }
```

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

```
.border{ border-color:rgb(104, 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(104, 184, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 184, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 184, 246);  
box-shadow:4px 4px 4px 4px rgb(104, 184,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8779, 0.2232, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 184, 246) }
```

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

```
.background{ background-color: rgb(104,  
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](#).

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