

Converting Colors

$Y_{xy}(45.2221, 0.2402, 0.2469)$

Have a look what the booklet for
Yxy(45.2221, 0.2402, 0.2469)
contains.

Yxy(45.2770, 0.2405, 0.2476)	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(45.2770, 0.2405, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	8CB5F6
RGB	140, 181, 246
RGB Percent	55%, 71%, 96%
CMY	0.4508, 0.2902, 0.0353
CMYK	0.43, 0.26, 0.00, 0.04
HSL	217°, 85%, 76%
HSV	217°, 43%, 96%
XYZ	43.9787, 45.2770, 93.6078
YIQ	176.1510, -45.3010, 11.5230

Conversions

Conversions Part 2

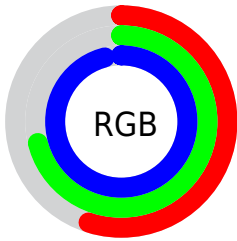
Format	Color
R _Y B	140, 170, 246
Decimal	9221622
CIE Lab	73.07, 2.79, -36.60
CIE LCh	73, 36.703, 274.356
Yxy	45.2770, 0.2405, 0.2476
Android (android.graphics.Color)	4287411702 (0xFF8CB5F6)
YUV	176.1510, 34.4356, -31.7044
Hunter-Lab	67.2882, -1.0891, -35.3794

Details

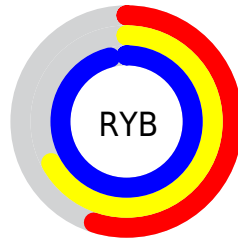
The Yxy color **45.2770, 0.2405, 0.2476** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1748, 0.3944, 0.3980**, and the grayscale version is **43.3390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6587, 0.2774, 0.3097**, and **20.9973, 0.2219, 0.2266** is the 20% darker color. If you saturate the color by 10%, you get **37.5656, 0.2233, 0.2244**, and if you desaturate by 10%, it is **54.1344, 0.2581, 0.2695**.

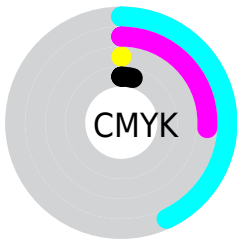
Distribution



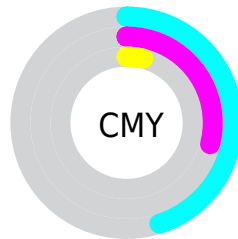
- Red (55%)
- Green (71%)
- Blue (96%)



- Red (55%)
- Yellow (67%)
- Blue (96%)



- Cyan (43%)
- Magenta (26%)
- Yellow (0%)
- Black (4%)



- Cyan (45%)
- Magenta (29%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2770, 0.2405, 0.2476 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 45.2770, 0.2405, 0.2476 by changing the saturation by 10% instead.

■ 45.2770, 0.2405,
0.2476

■ 45.2770, 0.2405,
0.2476

367.8943, 0.2757,
0.2870

■ 31.6757, 0.2321,
0.2383

■ 83.1359, 0.2530,
0.2615

■ 21.1139, 0.2216,
0.2268

■ 108.1623, 0.2578,
0.2669

■ 13.2073, 0.2082,
0.2120

137.7658, 0.2619,
0.2714

■ 7.5714, 0.1905,
0.1927

172.3309, 0.2654,
0.2754

■ 3.8220, 0.1664,
0.1667

212.2418, 0.2685,
0.2788

■ 1.5745, 0.1327,
0.1307

257.8831, 0.2712,

■ 0.3403, 0.0739,

0.2819

0.0642

309.6391, 0.2736,
0.2846

0.0000, 0.0000,
0.0000

45.2770, 0.2405,
0.2476

45.2770, 0.2405,
0.2476

37.5656, 0.2233,
0.2244

54.1344, 0.2581,
0.2695

30.9418, 0.2071,
0.2004

64.1821, 0.2754,
0.2897

25.3490, 0.1926,
0.1765

75.4679, 0.2922,
0.3080

20.7219, 0.1805,
0.1535

88.0354, 0.3080,
0.3244

16.9848, 0.1713,
0.1324

99.4337, 0.3179,
0.3376

■ 14.8508, 0.1665,
0.1192

Harmonies

Analogous

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



45.2770, 0.2208, 0.2637



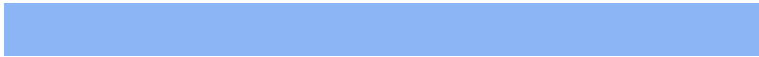
45.2770, 0.2405, 0.2476



45.2770, 0.2795, 0.2512

Triad

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



45.2770, 0.2405, 0.2476



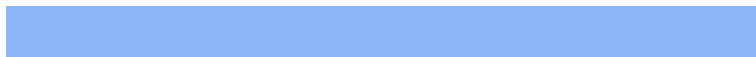
45.2770, 0.4118, 0.3450



45.2770, 0.2890, 0.3984

Complementary

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



45.2770, 0.2405, 0.2476



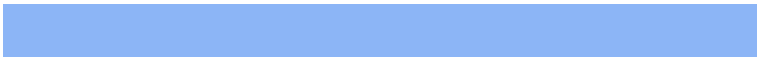
65.1748, 0.3944, 0.3980

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.



45.2770, 0.3399, 0.4223



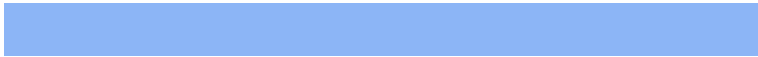
45.2770, 0.2405, 0.2476



45.2770, 0.4130, 0.3847

Square

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



45.2770, 0.2405, 0.2476



45.2770, 0.3808, 0.3049



45.2770, 0.3857, 0.4147



45.2770, 0.2467, 0.3505

Rectangle

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



45.2770, 0.2405, 0.2476



45.2770, 0.3131, 0.2632



45.2770, 0.3857, 0.4147



45.2770, 0.3056, 0.4098

Sweetspot

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



45.2787, 0.2405, 0.2476



81.9489, 0.2922, 0.3081



75.8313, 0.2744, 0.3809



16.9352, 0.2886, 0.3042



0.0000, 0.0000, 0.0000



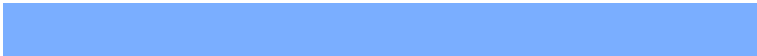
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2787, 0.2405, 0.2476



41.5222, 0.2249, 0.2267



31.9690, 0.2390, 0.1973



16.9768, 0.2980, 0.3141



8.1787, 0.1673, 0.1223



0.9118, 0.1742, 0.1470

Inverse Universe

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



41.6986, 0.3811, 0.2851



38.3197, 0.4033, 0.2767



85.5361, 0.3694, 0.4383



16.5885, 0.3233, 0.3199



10.9250, 0.5434, 0.2767



0.9797, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 45.2770, 0.2405, 0.2476 looks on a white background.

Color Contrast Check

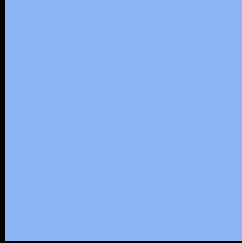
Large Text (above 18pt) WCAG AA × Fail

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 45.2770, 0.2405, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

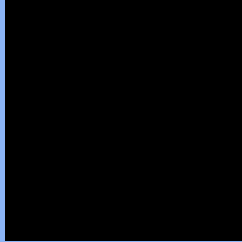
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

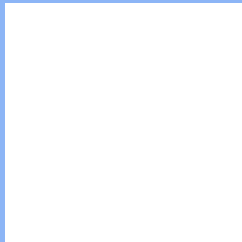
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2770, 0.2405, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 45.2770, 0.2405, 0.2476.



This preview shows how white text looks on a background with the Yxy color 45.2770, 0.2405, 0.2476.

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

45.2770, 0.2405, 0.2476

Protanopia

44.9953, 0.2535, 0.2469

Deuteranopia

45.3278, 0.2495, 0.2436



Tritanopia

45.4220, 0.2587, 0.3080

Trichromacy



Original Color

45.2770, 0.2405, 0.2476

Protanomaly

45.1447, 0.2488, 0.2474

Deuteranomaly

45.1355, 0.2459, 0.2441

Tritanomaly

45.2188, 0.2519, 0.2846

Monochromacy



Original Color

45.2770, 0.2405, 0.2476

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.8444, 0.2829, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2770, 0.2405, 0.2476 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(140, 181, 246)` looks like.

```
.text, #text, p{  
    color:rgb(140, 181, 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(140, 181, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 181, 246) }
```

Border

The CSS property to change the border of an element to Yxy 45.2770, 0.2405, 0.2476 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(140, 181, 246) }
```

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

```
.border{ border-color:rgb(140, 181, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 181, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 181, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 181, 246);  
box-shadow:4px 4px 4px 4px rgb(140, 181,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2770, 0.2405, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 181, 246) }
```

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

```
.background{ background-color: rgb(140,  
181, 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