

Converting Colors

$Y_{xy}(46.1032, 0.2211, 0.2459)$

Have a look what the booklet for
Yxy(46.1032, 0.2211, 0.2459)
contains.

Yxy(45.9419, 0.2210, 0.2459)	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(45.9419, 0.2210, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	67BCFD
RGB	103, 188, 253
RGB Percent	40%, 74%, 99%
CMY	0.5967, 0.2626, 0.0079
CMYK	0.59, 0.26, 0.00, 0.01
HSL	206°, 97%, 70%
HSV	206°, 59%, 99%
XYZ	41.2898, 45.9419, 99.5999
YIQ	169.9950, -71.5250, 2.1950

Conversions

Conversions Part 2

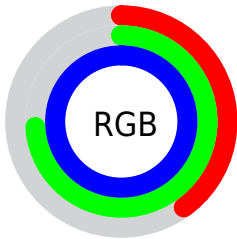
Format	Color
RYB	103, 157, 253
Decimal	6798589
CIELab	73.51, -7.13, -39.82
CIElCh	74, 40.456, 259.849
Yxy	45.9419, 0.2210, 0.2459
Android (android.graphics.Color)	4284988669 (0xFF67BCFD)
YUV	169.9950, 40.9215, -58.7546
Hunter-Lab	67.7805, -9.8790, -39.6773

Details

The Yxy color **45.9419, 0.2210, 0.2459** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.7851, 0.4513, 0.3948**, and the grayscale version is **39.9982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8139, 0.2607, 0.3166**, and **21.5201, 0.1984, 0.2243** is the 20% darker color. If you saturate the color by 10%, you get **40.1686, 0.2084, 0.2289**, and if you desaturate by 10%, it is **52.5252, 0.2351, 0.2624**.

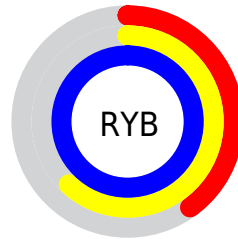
Distribution



Red (40%)

Green (74%)

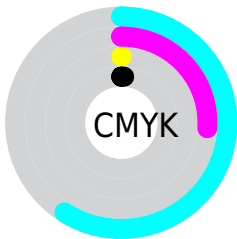
Blue (99%)



Red (40%)

Yellow (62%)

Blue (99%)

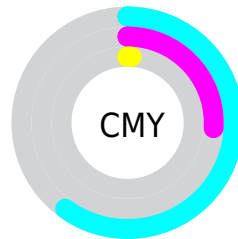


Cyan (59%)

Magenta (26%)

Yellow (0%)

Black (1%)



Cyan (60%)

Magenta (26%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9419, 0.2210, 0.2459 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 45.9419, 0.2210, 0.2459 by changing the saturation by 10% instead.

■ 45.9419, 0.2210,
0.2459

■ 45.9419, 0.2210,
0.2459

370.5750, 0.2649,
0.2865

■ 32.2000, 0.2108,
0.2363

■ 84.1320, 0.2364,
0.2603

■ 21.5143, 0.1983,
0.2243

■ 109.3490, 0.2423,
0.2658

■ 13.5004, 0.1825,
0.2090

■ 139.1599, 0.2474,
0.2706

■ 7.7741, 0.1622,
0.1889

173.9489, 0.2519,
0.2746

■ 3.9507, 0.1355,
0.1621

214.1005, 0.2557,
0.2782

■ 1.6460, 0.1003,
0.1255

259.9992, 0.2591,

■ 0.3883, 0.0326,

0.2813

0.0650

312.0292, 0.2622,
0.2841

0.0000, 0.0000,
0.0000

45.9419, 0.2210,
0.2459

45.9419, 0.2210,
0.2459

40.1686, 0.2084,
0.2289

52.5252, 0.2351,
0.2624

35.1504, 0.1978,
0.2118

59.9582, 0.2504,
0.2781

30.8305, 0.1894,
0.1951

68.2830, 0.2662,
0.2928

27.1237, 0.1831,
0.1790

77.5372, 0.2823,
0.3064

26.8959, 0.1828,
0.1779

87.7556, 0.2982,
0.3187

98.9710, 0.3137,
0.3297

99.8704, 0.3139,
0.3309

Harmonies

Analogous

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



45.9419, 0.2109, 0.2737



45.9419, 0.2210, 0.2459



45.9419, 0.2535, 0.2401

Triad

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



45.9419, 0.2210, 0.2459



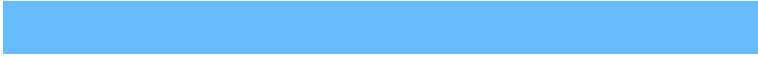
45.9419, 0.4087, 0.3243



45.9419, 0.3129, 0.4229

Complementary

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



45.9419, 0.2210, 0.2459



49.7851, 0.4513, 0.3948

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.



45.9419, 0.3678, 0.4314



45.9419, 0.2210, 0.2459



45.9419, 0.4263, 0.3686

Square

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



45.9419, 0.2210, 0.2459



45.9419, 0.3622, 0.2838



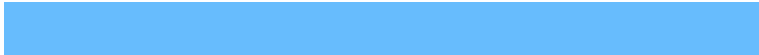
45.9419, 0.4100, 0.4084



45.9419, 0.2606, 0.3802

Rectangle

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



45.9419, 0.2210, 0.2459



45.9419, 0.2858, 0.2474



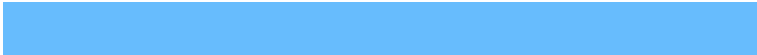
45.9419, 0.4100, 0.4084



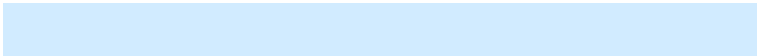
45.9419, 0.3316, 0.4299

Sweetspot

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



45.9435, 0.2210, 0.2459



80.2883, 0.2844, 0.3081



75.8420, 0.2774, 0.4428



16.5683, 0.2797, 0.3043



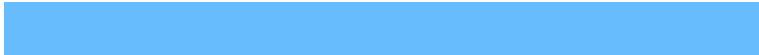
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.9435, 0.2210, 0.2459



39.9894, 0.2065, 0.2260



22.3086, 0.1999, 0.1513



19.0884, 0.2979, 0.3185



14.6059, 0.1835, 0.1805



1.6394, 0.1886, 0.1989

Inverse Universe

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



34.1808, 0.3889, 0.2443



29.3122, 0.4118, 0.2340



84.4497, 0.4038, 0.4593



18.1598, 0.3205, 0.3156



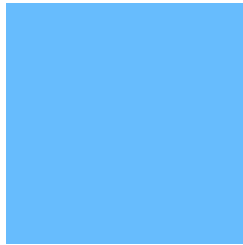
12.2024, 0.4680, 0.2352



1.2100, 0.4465, 0.2233

Previews

White Background



This preview shows how the Yxy color 45.9419, 0.2210, 0.2459 looks on a white background.

Color Contrast Check

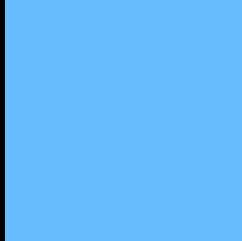
Large Text (above 18pt) WCAG AA × Fail

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 45.9419, 0.2210, 0.2459 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

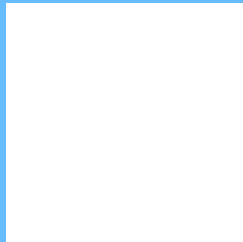
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9419, 0.2210, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 45.9419, 0.2210, 0.2459.



This preview shows how white text looks on a background with the Yxy color 45.9419, 0.2210, 0.2459.

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

45.9419, 0.2210, 0.2459

Protanopia

45.5104, 0.2525, 0.2461

Deuteranopia

45.7362, 0.2423, 0.2362



Tritanopia

46.1646, 0.2344, 0.3060

Trichromacy



Original Color

45.9419, 0.2210, 0.2459

Protanomaly

45.3140, 0.2389, 0.2454

Deuteranomaly

45.6800, 0.2335, 0.2400

Tritanomaly

45.9101, 0.2289, 0.2821

Monochromacy



Original Color

45.9419, 0.2210, 0.2459

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7254, 0.2706, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9419, 0.2210, 0.2459 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, 188, 253)` looks like.

```
.text, #text, p{  
    color:rgb(103, 188, 253)  
}
```

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, 188, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 188, 253) }
```

Border

The CSS property to change the border of an element to Yxy 45.9419, 0.2210, 0.2459 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, 188, 253) }
```

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

```
.border{ border-color:rgb(103, 188, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 188, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 188, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 188, 253);  
box-shadow:4px 4px 4px 4px rgb(103, 188,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9419, 0.2210, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 188, 253) }
```

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

```
.background{ background-color: rgb(103,  
188, 253) }
```

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