

Converting Colors

$Y_{xy}(45.5773, 0.2259, 0.2472)$

Have a look what the booklet for
Yxy(45.5773, 0.2259, 0.2472)
contains.

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Color

Yxy(45.5306, 0.2260, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	71BAFA
RGB	113, 186, 250
RGB Percent	44%, 73%, 98%
CMY	0.5567, 0.2706, 0.0196
CMYK	0.55, 0.26, 0.00, 0.02
HSL	208°, 93%, 71%
HSV	208°, 55%, 98%
XYZ	41.6259, 45.5306, 97.0288
YIQ	171.4690, -64.0520, 4.4280

Conversions

Conversions Part 2

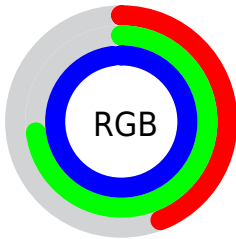
Format	Color
R _Y B	113, 161, 250
Decimal	7453434
CIE Lab	73.24, -4.95, -38.60
CIE LCh	73, 38.916, 262.691
Yxy	45.5306, 0.2260, 0.2472
Android (android.graphics.Color)	4285643514 (0xFF71BAFA)
YUV	171.4690, 38.7158, -51.2773
Hunter-Lab	67.4764, -7.9678, -38.0236

Details

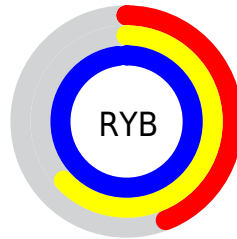
The Yxy color **45.5306, 0.2260, 0.2472** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.9710, 0.4342, 0.3956**, and the grayscale version is **40.8031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4949, 0.2644, 0.3145**, and **21.2297, 0.2042, 0.2260** is the 20% darker color. If you saturate the color by 10%, you get **39.3734, 0.2121, 0.2290**, and if you desaturate by 10%, it is **52.5500, 0.2412, 0.2648**.

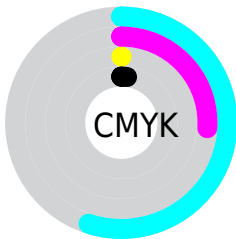
Distribution



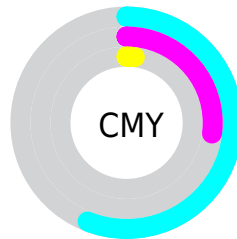
- Red (44%)
- Green (73%)
- Blue (98%)



- Red (44%)
- Yellow (63%)
- Blue (98%)



- Cyan (55%)
- Magenta (26%)
- Yellow (0%)
- Black (2%)




- Cyan (56%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5306, 0.2260, 0.2472 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 45.5306, 0.2260, 0.2472 by changing the saturation by 10% instead.

 45.5306, 0.2260,
0.2472


 45.5306, 0.2260,
0.2472


368.9183, 0.2677,
0.2872


 31.8756, 0.2163,
0.2377


 83.5161, 0.2407,
0.2614

 21.2665, 0.2042,
0.2259


 108.6153, 0.2464,
0.2668

 13.3189, 0.1889,
0.2108


 138.2980, 0.2512,
0.2715

 7.6485, 0.1691,
0.1909

172.9487, 0.2554,
0.2755

 3.8709, 0.1428,
0.1643

212.9516, 0.2591,
0.2790

 1.6016, 0.1076,
0.1276

258.6913, 0.2623,

 0.3587, 0.0392,

0.2820

0.0639

310.5520, 0.2652,
0.2847

0.0000, 0.0000,
0.0000

45.5306, 0.2260,
0.2472

45.5306, 0.2260,
0.2472

39.3734, 0.2121,
0.2290

52.5500, 0.2412,
0.2648

34.0255, 0.2000,
0.2105

60.4700, 0.2571,
0.2814

29.4337, 0.1901,
0.1922

69.3322, 0.2733,
0.2967

25.5327, 0.1826,
0.1747

79.1735, 0.2895,
0.3108

23.7268, 0.1794,
0.1659

90.0287, 0.3054,
0.3234

99.6816, 0.3156,
0.3338

Harmonies

Analogous

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



45.5306, 0.2140, 0.2722



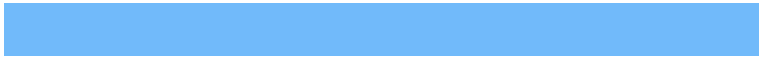
45.5306, 0.2260, 0.2472



45.5306, 0.2595, 0.2434

Triad

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



45.5306, 0.2260, 0.2472



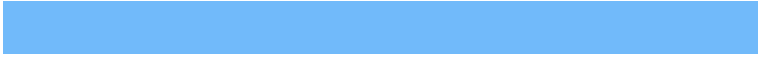
45.5306, 0.4083, 0.3287



45.5306, 0.3079, 0.4167

Complementary

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



45.5306, 0.2260, 0.2472



52.9710, 0.4342, 0.3956

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.



45.5306, 0.3614, 0.4284



45.5306, 0.2260, 0.2472



45.5306, 0.4222, 0.3716

Square

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



45.5306, 0.2260, 0.2472



45.5306, 0.3656, 0.2887



45.5306, 0.4039, 0.4089



45.5306, 0.2583, 0.3733

Rectangle

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



45.5306, 0.2260, 0.2472



45.5306, 0.2917, 0.2515



45.5306, 0.4039, 0.4089



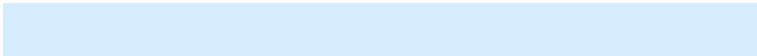
45.5306, 0.3260, 0.4245

Sweetspot

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



45.5322, 0.2260, 0.2472



81.5005, 0.2876, 0.3091



75.0512, 0.2757, 0.4229



16.9778, 0.2842, 0.3063



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.



45.5322, 0.2260, 0.2472



40.4247, 0.2105, 0.2266



23.2779, 0.2073, 0.1582



18.1743, 0.2980, 0.3176



12.8775, 0.1802, 0.1686



1.4050, 0.1859, 0.1892

Inverse Universe

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



35.6859, 0.3861, 0.2542



31.1769, 0.4095, 0.2432



87.0784, 0.3942, 0.4565



17.3798, 0.3210, 0.3164



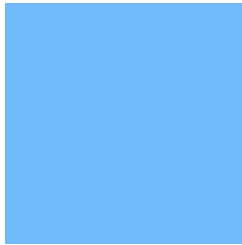
11.7109, 0.4824, 0.2431



1.1061, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 45.5306, 0.2260, 0.2472 looks on a white background.

Color Contrast Check

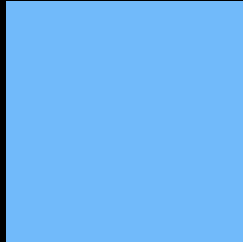
Large Text (above 18pt) WCAG AA × Fail

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 45.5306, 0.2260, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

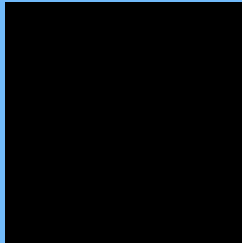
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

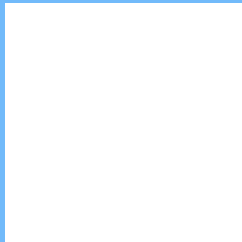
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5306, 0.2260, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 45.5306, 0.2260, 0.2472.



This preview shows how white text looks on a background with the Yxy color 45.5306, 0.2260, 0.2472.

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

45.5306, 0.2260, 0.2472

Protanopia

45.3889, 0.2537, 0.2482

Deuteranopia

45.2449, 0.2443, 0.2381



Tritanopia

45.7837, 0.2407, 0.3075

Trichromacy



Original Color

45.5306, 0.2260, 0.2472

Protanomaly

45.1360, 0.2420, 0.2467

Deuteranomaly

45.0108, 0.2366, 0.2409

Tritanomaly

45.5270, 0.2347, 0.2836

Monochromacy



Original Color

45.5306, 0.2260, 0.2472

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.7048, 0.2735, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5306, 0.2260, 0.2472 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(113, 186, 250)` looks like.

```
.text, #text, p{  
    color:rgb(113, 186, 250)  
}
```

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(113, 186, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 186, 250) }
```

Border

The CSS property to change the border of an element to Yxy 45.5306, 0.2260, 0.2472 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(113, 186, 250) }
```

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

```
.border{ border-color:rgb(113, 186, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 186, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 186, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 186, 250); box-shadow:4px 4px 4px 4px rgb(113, 186, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5306, 0.2260, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 186, 250) }
```

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

```
.background{ background-color: rgb(113,  
186, 250) }
```

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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