

Converting Colors

$Y_{xy}(45.2614, 0.2425, 0.2570)$

Have a look what the booklet for
Yxy(45.2614, 0.2425, 0.2570)
contains.

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Color

Yxy(45.4173, 0.2428, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	89B7EF
RGB	137, 183, 239
RGB Percent	54%, 72%, 94%
CMY	0.4625, 0.2824, 0.0626
CMYK	0.43, 0.23, 0.00, 0.06
HSL	213°, 76%, 74%
HSV	213°, 43%, 94%
XYZ	42.8412, 45.4173, 88.1879
YIQ	175.6300, -45.3920, 7.6640

Conversions

Conversions Part 2

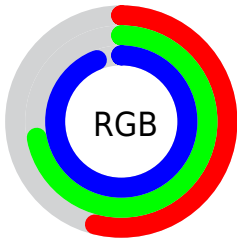
Format	Color
R _Y B	137, 169, 239
Decimal	9025519
CIE Lab	73.17, -0.97, -32.69
CIE LCh	73, 32.709, 268.298
Yxy	45.4173, 0.2428, 0.2574
Android (android.graphics.Color)	4287215599 (0xFF89B7EF)
YUV	175.6300, 31.2414, -33.8785
Hunter-Lab	67.3924, -4.4645, -30.4107

Details

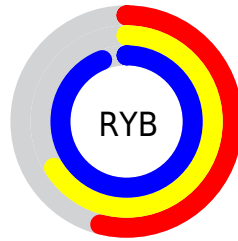
The Yxy color **45.4173, 0.2428, 0.2574** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.3531, 0.3964, 0.3906**, and the grayscale version is **43.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4223, 0.2759, 0.3118**, and **21.1335, 0.2241, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **38.4477, 0.2264, 0.2368**, and if you desaturate by 10%, it is **53.3438, 0.2597, 0.2768**.

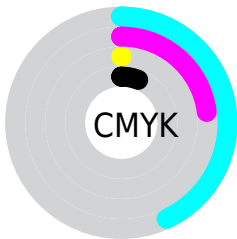
Distribution



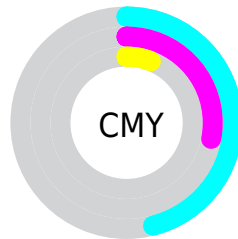
- Red (54%)
- Green (72%)
- Blue (94%)



- Red (54%)
- Yellow (66%)
- Blue (94%)



- Cyan (43%)
- Magenta (23%)
- Yellow (0%)
- Black (6%)



- Cyan (46%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4173, 0.2428, 0.2574 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 45.4173, 0.2428, 0.2574 by changing the saturation by 10% instead.

■ 45.4173, 0.2428,
0.2574

■ 45.4173, 0.2428,
0.2574

■ 368.4610, 0.2769,
0.2925

■ 31.7862, 0.2347,
0.2490

■ 83.3463, 0.2549,
0.2699

■ 21.1983, 0.2244,
0.2385

■ 108.4130, 0.2596,
0.2747

■ 13.2690, 0.2113,
0.2249

■ 138.0603, 0.2635,
0.2787

■ 7.6141, 0.1939,
0.2068

■ 172.6728, 0.2670,
0.2822

■ 3.8490, 0.1700,
0.1820

■ 212.6346, 0.2699,
0.2853

■ 1.5895, 0.1361,
0.1466

■ 258.3304, 0.2725,

■ 0.3505, 0.0684,

0.2880

0.0774

310.1444, 0.2749,
0.2903

0.0000, 0.0000,
0.0000

45.4173, 0.2428,
0.2574

45.4173, 0.2428,
0.2574

38.4477, 0.2264,
0.2368

53.3438, 0.2597,
0.2768

32.3861, 0.2110,
0.2154

62.2624, 0.2765,
0.2947

27.1864, 0.1973,
0.1937

72.2125, 0.2929,
0.3109

22.7948, 0.1858,
0.1725

83.2297, 0.3087,
0.3254

19.1489, 0.1770,
0.1525

95.0456, 0.3225,
0.3384

■ 16.8829, 0.1719,
0.1388

■ 99.0134, 0.3220,
0.3444

Harmonies

Analogous

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



45.4173, 0.2287, 0.2761



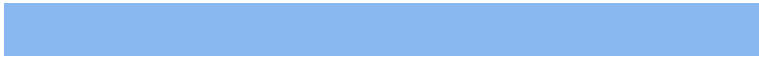
45.4173, 0.2428, 0.2574



45.4173, 0.2749, 0.2569

Triad

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



45.4173, 0.2428, 0.2574



45.4173, 0.3972, 0.3365



45.4173, 0.3008, 0.3966

Complementary

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



45.4173, 0.2428, 0.2574



58.3531, 0.3964, 0.3906

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.



45.4173, 0.3465, 0.4125



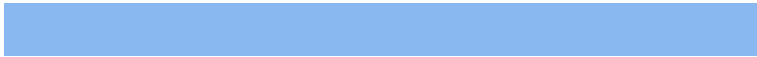
45.4173, 0.2428, 0.2574



45.4173, 0.4041, 0.3729

Square

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



45.4173, 0.2428, 0.2574



45.4173, 0.3653, 0.3009



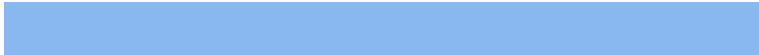
45.4173, 0.3848, 0.4018



45.4173, 0.2603, 0.3576

Rectangle

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



45.4173, 0.2428, 0.2574



45.4173, 0.3038, 0.2657



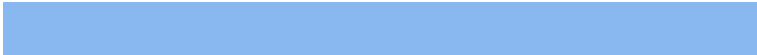
45.4173, 0.3848, 0.4018



45.4173, 0.3161, 0.4050

Sweetspot

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



45.4190, 0.2428, 0.2574



83.1661, 0.2923, 0.3103



70.8532, 0.2782, 0.3892



17.2344, 0.2887, 0.3068



0.0000, 0.0000, 0.0000



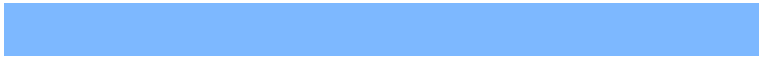
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4190, 0.2428, 0.2574



45.6563, 0.2288, 0.2399



29.7623, 0.2350, 0.1974



16.4010, 0.2980, 0.3157



9.5817, 0.1727, 0.1417



0.9931, 0.1797, 0.1668

Inverse Universe

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



39.6856, 0.3728, 0.2786



39.3550, 0.3911, 0.2692



81.3245, 0.3738, 0.4351



15.8772, 0.3223, 0.3184



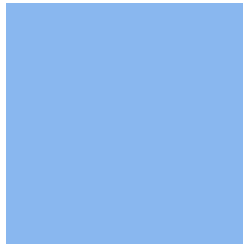
10.7606, 0.5168, 0.2621



0.9150, 0.4845, 0.2443

Previews

White Background



This preview shows how the Yxy color 45.4173, 0.2428, 0.2574 looks on a white background.

Color Contrast Check

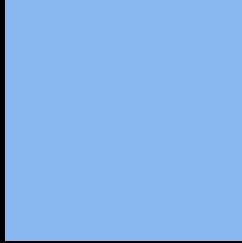
Large Text (above 18pt) WCAG AA × Fail

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 45.4173, 0.2428, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

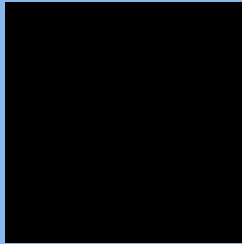
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

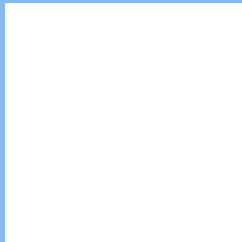
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4173, 0.2428, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 45.4173, 0.2428, 0.2574.



This preview shows how white text looks on a background with the Yxy color 45.4173, 0.2428, 0.2574.

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

45.4173, 0.2428, 0.2574

Protanopia

45.3350, 0.2611, 0.2572

Deuteranopia

45.0233, 0.2566, 0.2503



Tritanopia

45.3440, 0.2581, 0.3080

Trichromacy



Original Color

45.4173, 0.2428, 0.2574

Protanomaly

45.1664, 0.2541, 0.2574

Deuteranomaly

45.3038, 0.2512, 0.2530

Tritanomaly

45.3757, 0.2520, 0.2884

Monochromacy



Original Color

45.4173, 0.2428, 0.2574

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0451, 0.2836, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4173, 0.2428, 0.2574 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(137, 183, 239)` looks like.

```
.text, #text, p{  
    color:rgb(137, 183, 239)  
}
```

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(137, 183, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 183, 239) }
```

Border

The CSS property to change the border of an element to Yxy 45.4173, 0.2428, 0.2574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

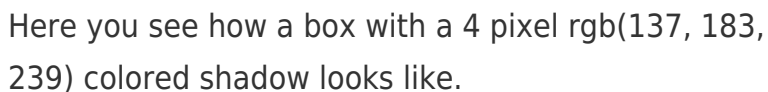
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 183, 239) }
```

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

```
.border{ border-color:rgb(137, 183, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 183, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 183, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 183, 239); box-shadow:4px 4px 4px 4px rgb(137, 183, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4173, 0.2428, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 183, 239) }
```

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

```
.background{ background-color: rgb(137,  
183, 239) }
```

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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