

# Converting Colors

$Yxy(45.8987, 0.2328, 0.2290)$

Have a look what the booklet for  
Yxy(45.8987, 0.2328, 0.2290)  
contains.

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# Color

**Yxy(45.6133, 0.2369, 0.2374)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 8EB4FF                      |
| RGB         | 142, 180, 255               |
| RGB Percent | 56%, 71%, 100%              |
| CMY         | 0.4434, 0.2940, 0.0000      |
| CMYK        | 0.44, 0.29, 0.00, 0.00      |
| HSL         | 220°, 100%, 78%             |
| HSV         | 220°, 44%, 100%             |
| XYZ         | 45.5172, 45.6133, 101.0064  |
| YIQ         | 177.1880, -46.7230, 15.2690 |

# Conversions

## Conversions Part 2

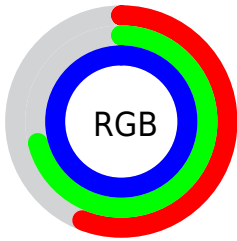
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">142, 170, 255</a>                   |
| Decimal                             | <a href="#">9352447</a>                         |
| CIELab                              | <a href="#">73.29, 6.30, -41.10</a>             |
| CIElCh                              | <a href="#">73, 41.581, 278.711</a>             |
| Yxy                                 | <a href="#">45.6133, 0.2369,<br/>0.2374</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4287542527<br/>(0xFF8EB4FF)</a>     |
| YUV                                 | <a href="#">177.1880, 38.3613,<br/>-30.8599</a> |
| Hunter-Lab                          | <a href="#">67.5376, 2.1099,<br/>-41.3952</a>   |

# Details

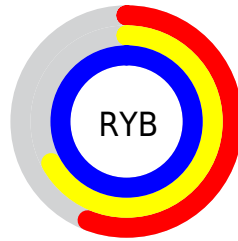
The Yxy color **45.6133, 0.2369, 0.2374** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.7914, 0.3948, 0.4053**, and the grayscale version is **43.8785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4903, 0.2791, 0.3087**, and **21.4469, 0.2176, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **37.1955, 0.2191, 0.2121**, and if you desaturate by 10%, it is **55.3832, 0.2550, 0.2614**.

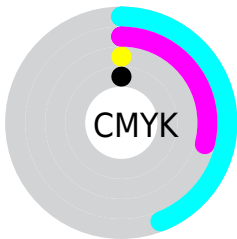
# Distribution



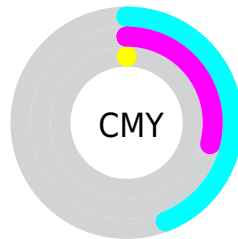
- Red (56%)
- Green (71%)
- Blue (100%)



- Red (56%)
- Yellow (67%)
- Blue (100%)



- Cyan (44%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (29%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6133, 0.2369, 0.2374 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 45.6133, 0.2369, 0.2374 by changing the saturation by 10% instead.





 45.6133, 0.2369,  
0.2374


 45.6133, 0.2369,  
0.2374

369.2518, 0.2738,  
0.2811

 31.9408, 0.2282,  
0.2273

 83.6400, 0.2500,  
0.2527

 21.3163, 0.2174,  
0.2148


 108.7629, 0.2550,  
0.2586

 13.3554, 0.2035,  
0.1991


138.4714, 0.2592,  
0.2637

 7.6737, 0.1855,  
0.1788

173.1500, 0.2629,  
0.2681

 3.8869, 0.1613,  
0.1521

213.1829, 0.2662,  
0.2720

 1.6105, 0.1279,  
0.1163

258.9545, 0.2690,

 0.3647, 0.0774,

0.2754

0.0564

310.8494, 0.2715,  
0.2784

0.0000, 0.0000,  
0.0000

45.6133, 0.2369,  
0.2374

45.6133, 0.2369,  
0.2374

37.1955, 0.2191,  
0.2121

55.3832, 0.2550,  
0.2614

30.0594, 0.2024,  
0.1862

66.5609, 0.2729,  
0.2836

24.1347, 0.1876,  
0.1608

79.2046, 0.2900,  
0.3038

19.3411, 0.1754,  
0.1370

93.3678, 0.3061,  
0.3218

15.5851, 0.1665,  
0.1160

99.9996, 0.3127,  
0.3290

■ 13.8572, 0.1626,  
0.1055

# Harmonies

## Analogous

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



45.6133, 0.2119, 0.2514



45.6133, 0.2369, 0.2374



45.6133, 0.2828, 0.2446

# Triad

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



45.6133, 0.2369, 0.2374



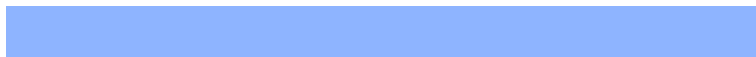
45.6133, 0.4271, 0.3525



45.6133, 0.2776, 0.4016

# Complementary

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



45.6133, 0.2369, 0.2374



72.7914, 0.3948, 0.4053

# 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.



45.6133, 0.3342, 0.4337



45.6133, 0.2369, 0.2374



45.6133, 0.4228, 0.3963

# Square

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



45.6133, 0.2369, 0.2374



45.6133, 0.3966, 0.3078



45.6133, 0.3877, 0.4286



45.6133, 0.2331, 0.3442



# Rectangle

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



45.6133, 0.2369, 0.2374



45.6133, 0.3215, 0.2595



45.6133, 0.3877, 0.4286



45.6133, 0.2958, 0.4162

# Sweetspot

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



45.6150, 0.2369, 0.2374



81.0126, 0.2922, 0.3063



82.1892, 0.2708, 0.3758



16.7055, 0.2885, 0.3021



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.



45.6150, 0.2369, 0.2374



38.2469, 0.2214, 0.2155



33.9080, 0.2402, 0.1939



18.3775, 0.2979, 0.3128



7.4866, 0.1635, 0.1084



0.9212, 0.1697, 0.1308



# Inverse Universe

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



43.8827, 0.3902, 0.2895



37.3871, 0.4141, 0.2827



91.6501, 0.3670, 0.4432



18.0880, 0.3241, 0.3210



11.4837, 0.5634, 0.2877



1.1375, 0.5316, 0.2702



# Previews

## White Background



This preview shows how the Yxy color 45.6133, 0.2369, 0.2374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

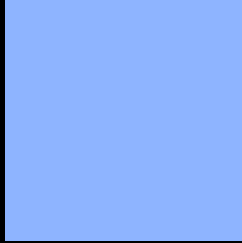
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6133, 0.2369, 0.2374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

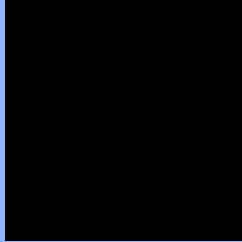
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

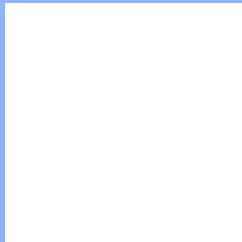
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.6133, 0.2369, 0.2374**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6133, 0.2369, 0.2374.



This preview shows how white text looks on a background with the Yxy color 45.6133, 0.2369, 0.2374.

# 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

45.6133, 0.2369, 0.2374

### Protanopia

45.5405, 0.2462, 0.2385

### Deuteranopia

45.6401, 0.2417, 0.2361



## Tritanopia

45.8239, 0.2577, 0.3081

# Trichromacy



## Original Color

45.6133, 0.2369, 0.2374

## Protanomaly

45.5119, 0.2428, 0.2380

## Deuteranomaly

45.7561, 0.2402, 0.2369

## Tritanomaly

45.4321, 0.2497, 0.2797

# Monochromacy



## Original Color

45.6133, 0.2369, 0.2374

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1411, 0.2808, 0.2934

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6133, 0.2369, 0.2374 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(142, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 180, 255)  
}
```

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(142, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 180, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6133, 0.2369, 0.2374 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(142, 180, 255) }
```

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

```
.border{ border-color:rgb(142, 180, 255) }
```

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

Here you see how a box with a 4 pixel rgb(142, 180, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 180,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6133, 0.2369, 0.2374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 180, 255) }
```

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

```
.background{ background-color: rgb(142,  
180, 255) }
```

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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