

# Converting Colors

$Yxy(48.5552, 0.2297, 0.2256)$

Have a look what the booklet for  
Yxy(48.5552, 0.2297, 0.2256)  
contains.

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# Color

**Yxy(47.2518, 0.2378, 0.2425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EB8FF
RGB	142, 184, 255
RGB Percent	56%, 72%, 100%
CMY	0.4433, 0.2784, 0.0001
CMYK	0.44, 0.28, 0.00, 0.00
HSL	218°, 100%, 78%
HSV	218°, 44%, 100%
XYZ	46.3360, 47.2518, 101.2650
YIQ	179.5360, -47.8230, 13.1770

# Conversions

## Conversions Part 2

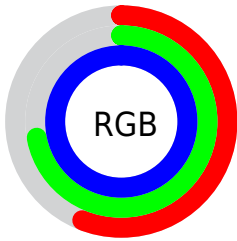
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 173, 255
Decimal	9353471
CIE <sub>Lab</sub>	74.35, 4.07, -39.45
CIE <sub>LCh</sub>	74, 39.656, 275.898
Yxy	47.2518, 0.2378, 0.2425
Android (android.graphics.Color)	4287543551 (0xFF8EB8FF)
YUV	179.5360, 37.2038, -32.9191
Hunter-Lab	68.7399, 0.0278, -39.2257

# Details

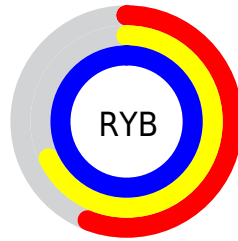
The Yxy color **47.2518, 0.2378, 0.2425** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.7508, 0.3967, 0.4016**, and the grayscale version is **45.1929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8195, 0.2794, 0.3130**, and **22.2411, 0.2187, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **38.9717, 0.2205, 0.2185**, and if you desaturate by 10%, it is **56.8037, 0.2555, 0.2652**.

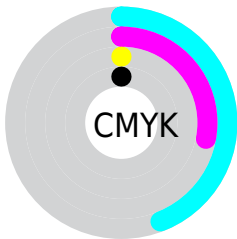
# Distribution



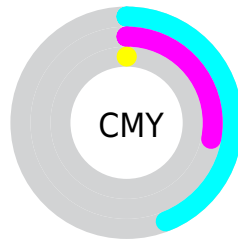
- Red (56%)
- Green (72%)
- Blue (100%)



- Red (56%)
- Yellow (68%)
- Blue (100%)



- Cyan (44%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (28%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2518, 0.2378, 0.2425 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 47.2518, 0.2378, 0.2425 by changing the saturation by 10% instead.





 47.2518, 0.2378,  
0.2425


 47.2518, 0.2378,  
0.2425


375.8187, 0.2740,  
0.2838

 33.2348, 0.2293,  
0.2329

 86.0894, 0.2506,  
0.2570

 22.3063, 0.2187,  
0.2211


 111.6787, 0.2555,  
0.2626

 14.0822, 0.2053,  
0.2061


141.8942, 0.2597,  
0.2674

 8.1778, 0.1877,  
0.1868

177.1203, 0.2633,  
0.2715

 4.2090, 0.1641,  
0.1611

217.7414, 0.2665,  
0.2752

 1.7911, 0.1316,  
0.1263

264.1419, 0.2693,

 0.4816, 0.0835,

0.2784

0.0722

316.7062, 0.2718,  
0.2813

0.0000, 0.0000,  
0.0000

47.2518, 0.2378,  
0.2425

47.2518, 0.2378,  
0.2425

38.9717, 0.2205,  
0.2185

56.8037, 0.2555,  
0.2652

31.8977, 0.2042,  
0.1940

67.6782, 0.2731,  
0.2861

25.9648, 0.1898,  
0.1696

79.9294, 0.2900,  
0.3052

21.0985, 0.1780,  
0.1465

93.6067, 0.3061,  
0.3222

17.2119, 0.1691,  
0.1256

99.9985, 0.3127,  
0.3290

■ 15.3844, 0.1653,  
0.1149

# Harmonies

## Analogous

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



47.2518, 0.2160, 0.2581



47.2518, 0.2378, 0.2425



47.2518, 0.2798, 0.2474

# Triad

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



47.2518, 0.2378, 0.2425



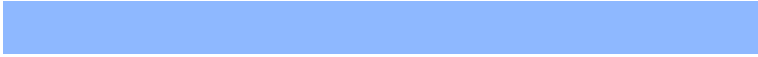
47.2518, 0.4192, 0.3477



47.2518, 0.2846, 0.4012

# Complementary

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



47.2518, 0.2378, 0.2425



70.7508, 0.3967, 0.4016

# 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.



47.2518, 0.3384, 0.4283



47.2518, 0.2378, 0.2425



47.2518, 0.4185, 0.3896

# Square

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



47.2518, 0.2378, 0.2425



47.2518, 0.3876, 0.3053



47.2518, 0.3879, 0.4212



47.2518, 0.2407, 0.3489



# Rectangle

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



47.2518, 0.2378, 0.2425



47.2518, 0.3158, 0.2607



47.2518, 0.3879, 0.4212



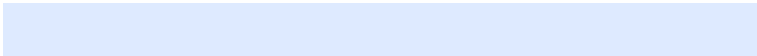
47.2518, 0.3021, 0.4140

# Sweetspot

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



47.2535, 0.2378, 0.2425



81.6785, 0.2922, 0.3076



81.9872, 0.2726, 0.3804



16.8688, 0.2886, 0.3036



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.



47.2535, 0.2378, 0.2425



40.0082, 0.2227, 0.2218



33.5328, 0.2375, 0.1931



18.4851, 0.2979, 0.3137



8.3020, 0.1661, 0.1179



1.0094, 0.1723, 0.1404



# Inverse Universe

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



44.0489, 0.3859, 0.2854



37.5649, 0.4083, 0.2778



92.2964, 0.3696, 0.4420



18.0989, 0.3235, 0.3202



11.5661, 0.5496, 0.2801



1.1464, 0.5186, 0.2631



# Previews

## White Background



This preview shows how the Yxy color 47.2518, 0.2378, 0.2425 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 47.2518, 0.2378, 0.2425 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

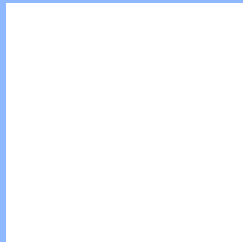
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.2518, 0.2378, 0.2425**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2518, 0.2378, 0.2425.



This preview shows how white text looks on a background with the Yxy color 47.2518, 0.2378, 0.2425.

# 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

47.2518, 0.2378, 0.2425

### Protanopia

47.2479, 0.2498, 0.2429

### Deuteranopia

47.0306, 0.2457, 0.2394



## Tritanopia

47.3611, 0.2572, 0.3083

# Trichromacy



## Original Color

47.2518, 0.2378, 0.2425

## Protanomaly

47.0096, 0.2452, 0.2422

## Deuteranomaly

46.9431, 0.2429, 0.2400

## Tritanomaly

47.3315, 0.2500, 0.2829

# Monochromacy



## Original Color

47.2518, 0.2378, 0.2425

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.6597, 0.2812, 0.2951

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2518, 0.2378, 0.2425 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 184, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2518, 0.2378, 0.2425 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, 184, 255) }
```

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

```
.border{ border-color:rgb(142, 184, 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, 184, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 184,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2518, 0.2378, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 184, 255) }
```

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

```
.background{ background-color: rgb(142,  
184, 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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