

# Converting Colors

Yxy(46.0531, 0.2294, 0.2410)

Have a look what the booklet for  
Yxy(46.0531, 0.2294, 0.2410)  
contains.

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# Color

**Yxy(45.9366, 0.2294, 0.2406)**

# Conversions

Conversions Part 1	
Format	Color
Hex	7EB8FF
RGB	126, 184, 255
RGB Percent	49%, 72%, 100%
CMY	0.5059, 0.2784, 0.0000
CMYK	0.51, 0.28, 0.00, 0.00
HSL	213°, 100%, 75%
HSV	213°, 51%, 100%
XYZ	43.7982, 45.9366, 101.1903
YIQ	174.7520, -57.3590, 9.7850

# Conversions

## Conversions Part 2

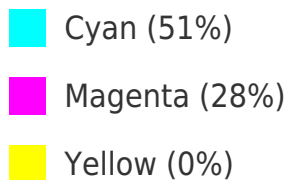
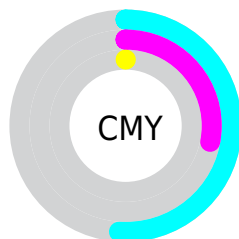
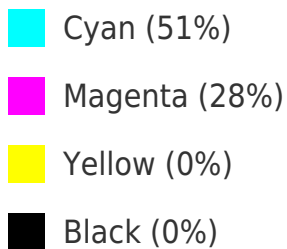
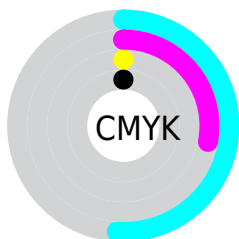
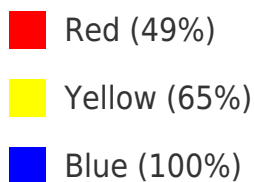
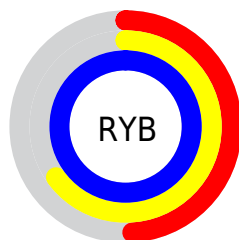
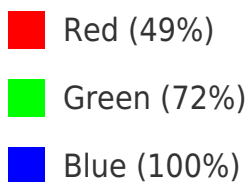
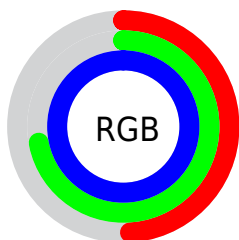
Format	Color
<a href="#">RYB</a>	<a href="#">126, 166, 255</a>
Decimal	<a href="#">8304895</a>
CIELab	<a href="#">73.50, 0.40, -40.86</a>
CIELCh	<a href="#">74, 40.859, 270.565</a>
Yxy	<a href="#">45.9366, 0.2294, 0.2406</a>
Android (android.graphics.Color)	<a href="#">4286494975</a> (0xFF7EB8FF)
YUV	<a href="#">174.7520, 39.5623, -42.7555</a>
Hunter-Lab	<a href="#">67.7765, -3.2595, -41.0764</a>

# Details

The Yxy color **45.9366, 0.2294, 0.2406** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7017, 0.4162, 0.4017**, and the grayscale version is **42.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8545, 0.2710, 0.3126**, and **21.4336, 0.2082, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **38.6937, 0.2138, 0.2192**, and if you desaturate by 10%, it is **54.2515, 0.2460, 0.2611**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9366, 0.2294, 0.2406 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 45.9366, 0.2294, 0.2406 by changing the saturation by 10% instead.





 45.9366, 0.2294,  
0.2406


 45.9366, 0.2294,  
0.2406


 370.5537, 0.2696,  
0.2832


 32.1958, 0.2200,  
0.2307


 84.1241, 0.2435,  
0.2556


 21.5111, 0.2084,  
0.2184


 109.3396, 0.2490,  
0.2614


 13.4981, 0.1936,  
0.2028


 139.1488, 0.2537,  
0.2663

 7.7724, 0.1745,  
0.1826

 173.9360, 0.2577,  
0.2706

 3.9497, 0.1492,  
0.1559

 214.0857, 0.2612,  
0.2743

 1.6455, 0.1150,  
0.1199

 259.9823, 0.2643,

 0.3880, 0.0592,

0.2776

0.0607


312.0102, 0.2671,  
0.2806


 0.0000, 0.0000,  
0.0000


 45.9366, 0.2294,  
0.2406


 45.9366, 0.2294,  
0.2406

 38.6937, 0.2138,  
0.2192


 54.2515, 0.2460,  
0.2611


 32.4685, 0.1996,  
0.1974


 63.6896, 0.2630,  
0.2803


 27.1993, 0.1877,  
0.1760

 74.2972, 0.2798,  
0.2980

 22.8150, 0.1782,  
0.1557

 86.1181, 0.2962,  
0.3139

 19.4003, 0.1717,  
0.1380

 99.1934, 0.3118,  
0.3282

100.0000, 0.3127,  
0.3290

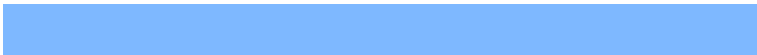
# Harmonies

## Analogous

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



45.9366, 0.2109, 0.2605



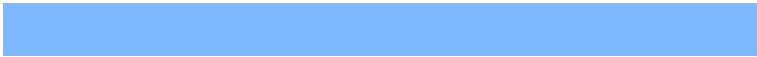
45.9366, 0.2294, 0.2406



45.9366, 0.2694, 0.2422

# Triad

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



45.9366, 0.2294, 0.2406



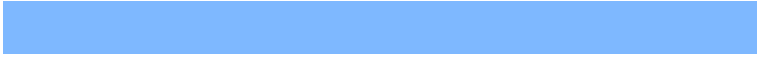
45.9366, 0.4200, 0.3401



45.9366, 0.2929, 0.4119

# Complementary

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



45.9366, 0.2294, 0.2406



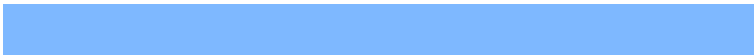
62.7017, 0.4162, 0.4017

# 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.



45.9366, 0.3491, 0.4336



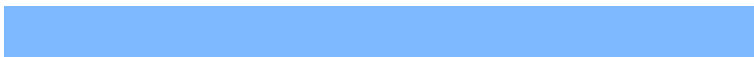
45.9366, 0.2294, 0.2406



45.9366, 0.4252, 0.3842

# Square

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



45.9366, 0.2294, 0.2406



45.9366, 0.3819, 0.2971



45.9366, 0.3981, 0.4201

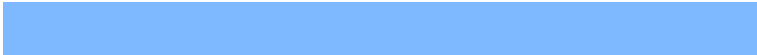


45.9366, 0.2447, 0.3601



# Rectangle

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



45.9366, 0.2294, 0.2406



45.9366, 0.3055, 0.2539



45.9366, 0.3981, 0.4201



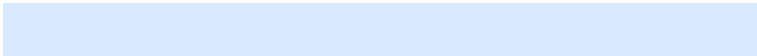
45.9366, 0.3115, 0.4233

# Sweetspot

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



45.9363, 0.2294, 0.2406



80.7486, 0.2890, 0.3071



79.9850, 0.2725, 0.4004



16.7528, 0.2856, 0.3037



0.0000, 0.0000, 0.0000

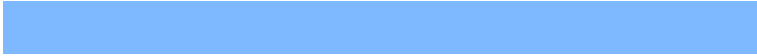


21.4041, 0.3127, 0.3290



# Same Dimension

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



45.9363, 0.2294, 0.2406



38.4165, 0.2131, 0.2183



27.0851, 0.2191, 0.1691



18.7225, 0.2979, 0.3156



10.4254, 0.1725, 0.1410



1.2295, 0.1785, 0.1627



# Inverse Universe

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



39.6435, 0.3902, 0.2697



33.1481, 0.4155, 0.2601



93.0837, 0.3824, 0.4539



18.1228, 0.3223, 0.3184



11.7804, 0.5178, 0.2626

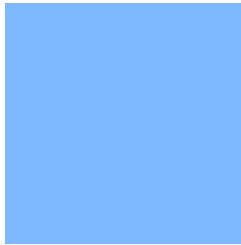


1.1687, 0.4897, 0.2472



# Previews

## White Background



This preview shows how the Yxy color 45.9366, 0.2294, 0.2406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

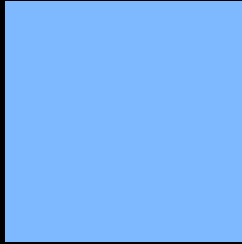
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9366, 0.2294, 0.2406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

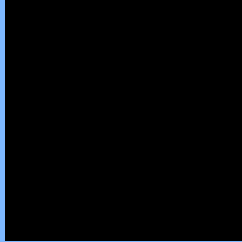
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

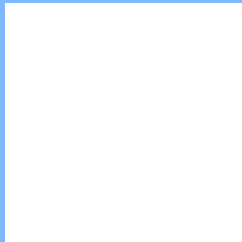
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.9366, 0.2294, 0.2406**

## Background



This preview shows how black text looks on a background with the Yxy color 45.9366, 0.2294, 0.2406.



This preview shows how white text looks on a background with the Yxy color 45.9366, 0.2294, 0.2406.

# 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

45.9366, 0.2294, 0.2406

### Protanopia

45.6155, 0.2485, 0.2408

### Deuteranopia

45.7362, 0.2423, 0.2362



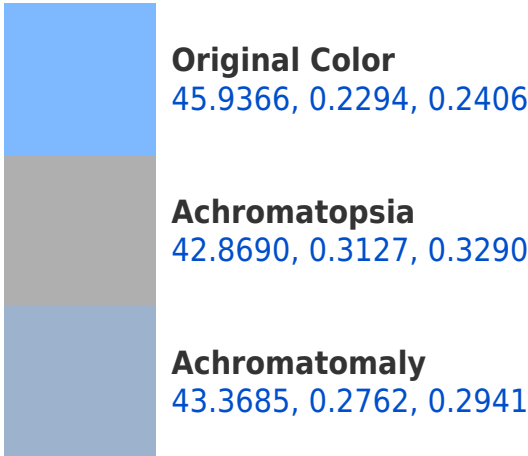
## Tritanopia

46.0735, 0.2472, 0.3078

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9366, 0.2294, 0.2406 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(126, 184, 255) looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 184, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9366, 0.2294, 0.2406 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(126, 184, 255) }
```

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

```
.border{ border-color:rgb(126, 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(126, 184, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 184,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9366, 0.2294, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 184, 255) }
```

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

```
.background{ background-color: rgb(126,  
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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