

# Converting Colors

$Yxy(45.7173, 0.2230, 0.2418)$

Have a look what the booklet for  
Yxy(45.7173, 0.2230, 0.2418)  
contains.

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# Color

**Yxy(45.7173, 0.2230, 0.2418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FBAFF
RGB	111, 186, 255
RGB Percent	44%, 73%, 100%
CMY	0.5646, 0.2706, 0.0001
CMYK	0.56, 0.27, 0.00, 0.00
HSL	209°, 100%, 72%
HSV	209°, 56%, 100%
XYZ	42.1628, 45.7173, 101.1906
YIQ	171.4410, -66.8490, 5.5590

# Conversions

## Conversions Part 2

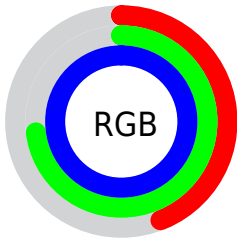
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 160, 255
Decimal	7322367
CIE <sub>Lab</sub>	73.36, -3.85, -41.10
CIE <sub>LCh</sub>	73, 41.283, 264.648
Yxy	45.7173, 0.2230, 0.2418
Android (android.graphics.Color)	4285512447 (0xFF6FBAFF)
YUV	171.4410, 41.1946, -53.0068
Hunter-Lab	67.6146, -7.0173, -41.4021

# Details

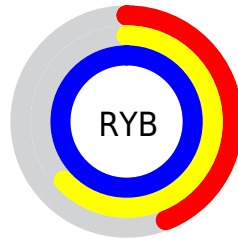
The Yxy color **45.7173, 0.2230, 0.2418** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.0445, 0.4380, 0.3990**, and the grayscale version is **40.7748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3822, 0.2639, 0.3145**, and **21.3445, 0.2006, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **39.3644, 0.2092, 0.2230**, and if you desaturate by 10%, it is **52.9855, 0.2382, 0.2600**.

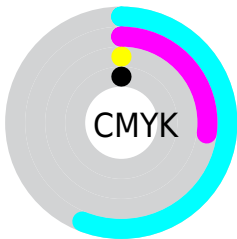
# Distribution



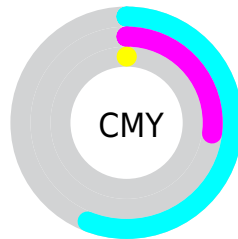
- Red (44%)
- Green (73%)
- Blue (100%)



- Red (44%)
- Yellow (63%)
- Blue (100%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (27%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7173, 0.2230, 0.2418 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 45.7173, 0.2230, 0.2418 by changing the saturation by 10% instead.




 45.7173, 0.2230,  
0.2418

 45.7173, 0.2230,  
0.2418


369.6709, 0.2660,  
0.2841


 32.0228, 0.2130,  
0.2319


 83.7958, 0.2381,  
0.2568

 21.3789, 0.2007,  
0.2195


 108.9485, 0.2439,  
0.2625

 13.4013, 0.1851,  
0.2038


 138.6894, 0.2489,  
0.2674

 7.7054, 0.1651,  
0.1835

173.4030, 0.2533,  
0.2717

 3.9070, 0.1387,  
0.1564

213.4735, 0.2571,  
0.2754

 1.6217, 0.1038,  
0.1199

259.2854, 0.2604,

 0.3722, 0.0415,

0.2786

0.0595

311.2231, 0.2634,  
0.2815

0.0000, 0.0000,  
0.0000

45.7173, 0.2230,  
0.2418

45.7173, 0.2230,  
0.2418

39.3644, 0.2092,  
0.2230

52.9855, 0.2382,  
0.2600

33.8696, 0.1973,  
0.2040

61.2112, 0.2541,  
0.2773

29.1747, 0.1876,  
0.1854

70.4391, 0.2705,  
0.2933

25.2071, 0.1804,  
0.1676

80.7093, 0.2868,  
0.3080

23.9419, 0.1782,  
0.1616

92.0593, 0.3027,  
0.3212

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



45.7173, 0.2089, 0.2664



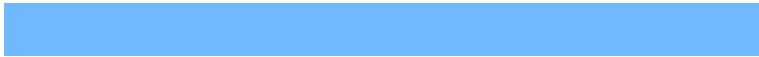
45.7173, 0.2230, 0.2418



45.7173, 0.2594, 0.2394

# Triad

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



45.7173, 0.2230, 0.2418



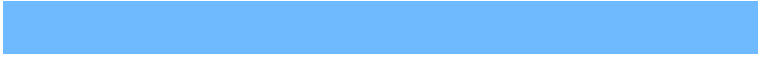
45.7173, 0.4161, 0.3312



45.7173, 0.3036, 0.4203

# Complementary

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



45.7173, 0.2230, 0.2418



55.0445, 0.4380, 0.3990

# 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.



45.7173, 0.3603, 0.4348



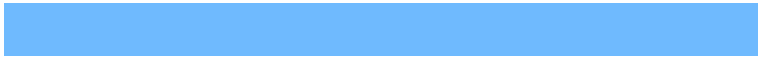
45.7173, 0.2230, 0.2418



45.7173, 0.4283, 0.3762

# Square

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



45.7173, 0.2230, 0.2418



45.7173, 0.3723, 0.2889



45.7173, 0.4066, 0.4152

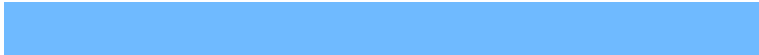


45.7173, 0.2522, 0.3722



# Rectangle

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



45.7173, 0.2230, 0.2418



45.7173, 0.2940, 0.2488



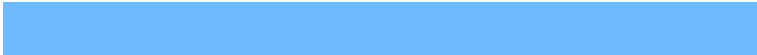
45.7173, 0.4066, 0.4152



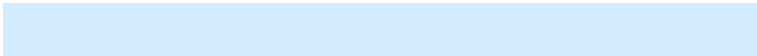
45.7173, 0.3227, 0.4294

# Sweetspot

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



45.7189, 0.2230, 0.2418



80.1416, 0.2859, 0.3072



78.1094, 0.2750, 0.4265



16.6961, 0.2827, 0.3044



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.



45.7189, 0.2230, 0.2418



38.4702, 0.2072, 0.2200



23.0486, 0.2038, 0.1523



18.9433, 0.2979, 0.3173



12.8136, 0.1790, 0.1644



1.4665, 0.1846, 0.1844



# Inverse Universe

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



36.1746, 0.3916, 0.2539



30.2099, 0.4168, 0.2437



90.8870, 0.3963, 0.4597



18.1451, 0.3212, 0.3167



12.0215, 0.4876, 0.2460

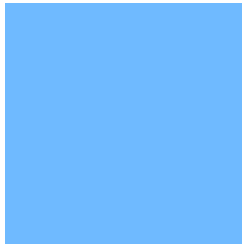


1.1926, 0.4633, 0.2326



# Previews

## White Background



This preview shows how the Yxy color 45.7173, 0.2230, 0.2418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

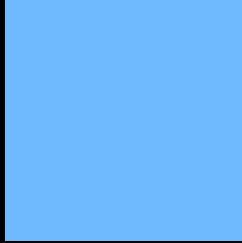
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7173, 0.2230, 0.2418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

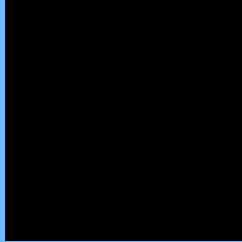
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

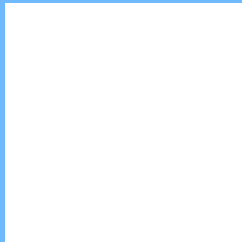
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7173, 0.2230, 0.2418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.7173, 0.2230, 0.2418.



This preview shows how white text looks on a background with the Yxy color 45.7173, 0.2230, 0.2418.

# 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

45.7173, 0.2230, 0.2418

### Protanopia

45.4907, 0.2496, 0.2428

### Deuteranopia

45.5448, 0.2411, 0.2359



## Tritanopia

45.5639, 0.2380, 0.3060

# Trichromacy



## Original Color

45.7173, 0.2230, 0.2418

## Protanomaly

45.2703, 0.2383, 0.2413

## Deuteranomaly

45.5020, 0.2339, 0.2379

## Tritanomaly

45.4619, 0.2324, 0.2809

# Monochromacy



## Original Color

45.7173, 0.2230, 0.2418

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.7045, 0.2714, 0.2933

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7173, 0.2230, 0.2418 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(111, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 186, 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(111, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 186, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7173, 0.2230, 0.2418 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(111, 186, 255) }
```

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

```
.border{ border-color:rgb(111, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 186,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7173, 0.2230, 0.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 186, 255) }
```

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

```
.background{ background-color: rgb(111,  
186, 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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