

# Converting Colors

$Yxy(45.3401, 0.2076, 0.2449)$

Have a look what the booklet for  
Yxy(45.3401, 0.2076, 0.2449)  
contains.

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# Color

**Yxy(45.4114, 0.2078, 0.2451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BBFFF
RGB	59, 191, 255
RGB Percent	23%, 75%, 100%
CMY	0.7674, 0.2511, 0.0000
CMYK	0.77, 0.25, 0.00, 0.00
HSL	200°, 100%, 62%
HSV	200°, 77%, 100%
XYZ	38.5006, 45.4114, 101.3651
YIQ	158.8280, -99.2160, -8.0800

# Conversions

## Conversions Part 2

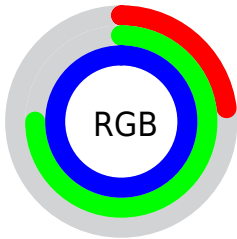
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	59, 138, 255
Decimal	3915775
CIE Lab	73.16, -14.37, -41.56
CIE LCh	73, 43.972, 250.931
Yxy	45.4114, 0.2078, 0.2451
Android (android.graphics.Color)	4282105855 (0xFF3BBFFF)
YUV	158.8280, 47.4128, -87.5492
Hunter-Lab	67.3880, -15.9471, -42.0125

# Details

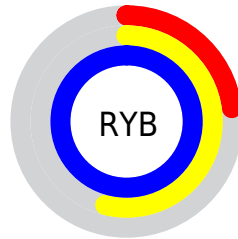
The Yxy color **45.4114, 0.2078, 0.2451** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **35.8269, 0.5258, 0.3832**, and the grayscale version is **34.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7281, 0.2476, 0.3196**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **41.2736, 0.2003, 0.2325**, and if you desaturate by 10%, it is **50.1368, 0.2174, 0.2578**.

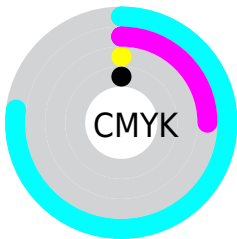
# Distribution



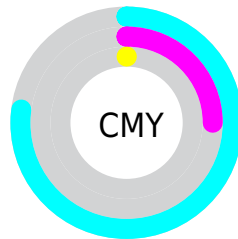
- Red (23%)
- Green (75%)
- Blue (100%)



- Red (23%)
- Yellow (54%)
- Blue (100%)



- Cyan (77%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4114, 0.2078, 0.2451 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 45.4114, 0.2078, 0.2451 by changing the saturation by 10% instead.



45.4114, 0.2078,  
0.2451

45.4114, 0.2078,  
0.2451

368.4372, 0.2575,  
0.2867

31.7816, 0.1965,  
0.2352

83.3374, 0.2251,  
0.2599

21.1947, 0.1825,  
0.2227

108.4024, 0.2318,  
0.2656

13.2664, 0.1652,  
0.2069

138.0479, 0.2376,  
0.2704

7.6123, 0.1433,  
0.1861

172.6584, 0.2427,  
0.2746

3.8479, 0.1152,  
0.1583

212.6181, 0.2471,  
0.2782

1.5888, 0.0796,  
0.1205

258.3116, 0.2510,

0.3500, 0.0000,

0.2814

0.0583

310.1231, 0.2544,  
0.2842

0.0000, 0.0000,  
0.0000

45.4114, 0.2078,  
0.2451

45.4114, 0.2078,  
0.2451

41.2736, 0.2003,  
0.2325

50.1368, 0.2174,  
0.2578

37.6591, 0.1949,  
0.2201

55.5024, 0.2289,  
0.2703

36.5635, 0.1934,  
0.2161

61.5527, 0.2419,  
0.2824

68.3277, 0.2561,  
0.2938

75.8634, 0.2712,  
0.3045

■ 84.1930, 0.2867,  
0.3144

■ 93.3477, 0.3023,  
0.3234

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.



45.4114, 0.2043, 0.2819



45.4114, 0.2078, 0.2451



45.4114, 0.2356, 0.2325

# Triad

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



45.4114, 0.2078, 0.2451



45.4114, 0.4051, 0.3097



45.4114, 0.3304, 0.4392

# Complementary

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



45.4114, 0.2078, 0.2451



35.8269, 0.5258, 0.3832

# 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.



45.4114, 0.3878, 0.4357



45.4114, 0.2078, 0.2451



45.4114, 0.4348, 0.3567

# Square

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



45.4114, 0.2078, 0.2451



45.4114, 0.3480, 0.2690



45.4114, 0.4272, 0.4026



45.4114, 0.2713, 0.4023



# Rectangle

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



45.4114, 0.2078, 0.2451



45.4114, 0.2666, 0.2363



45.4114, 0.4272, 0.4026



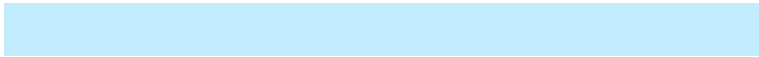
45.4114, 0.3506, 0.4424

# Sweetspot

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



45.4113, 0.2078, 0.2451



78.8856, 0.2769, 0.3083



73.8465, 0.2828, 0.5087



16.2598, 0.2714, 0.3047



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

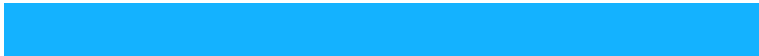


# Same Dimension

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



45.4113, 0.2078, 0.2451



39.3129, 0.1972, 0.2259



16.3770, 0.1752, 0.1197



19.4209, 0.2980, 0.3210



19.3893, 0.1939, 0.2181



2.0874, 0.1979, 0.2322



# Inverse Universe

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



28.1803, 0.3945, 0.2129



24.9989, 0.4164, 0.2100



72.3063, 0.4368, 0.4686



18.1933, 0.3188, 0.3131



12.6853, 0.4253, 0.2116



1.2553, 0.4103, 0.2034



# Previews

## White Background



This preview shows how the Yxy color 45.4114, 0.2078, 0.2451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

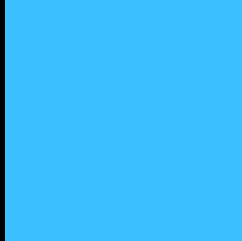
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4114, 0.2078, 0.2451 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

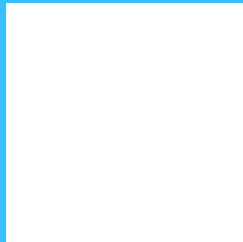
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.4114, 0.2078, 0.2451**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4114, 0.2078, 0.2451.



This preview shows how white text looks on a background with the Yxy color 45.4114, 0.2078, 0.2451.

# 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

45.4114, 0.2078, 0.2451

### Protanopia

44.8927, 0.2529, 0.2468

### Deuteranopia

44.9602, 0.2397, 0.2344



## Tritanopia

45.2432, 0.2181, 0.3052

# Trichromacy



**Original Color**

45.4114, 0.2078, 0.2451

**Protanomaly**

43.9741, 0.2308, 0.2446

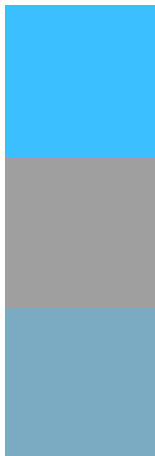
**Deuteranomaly**

44.3889, 0.2241, 0.2370

**Tritanomaly**

44.8579, 0.2126, 0.2806

# Monochromacy



**Original Color**

45.4114, 0.2078, 0.2451

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

37.2318, 0.2573, 0.2950

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4114, 0.2078, 0.2451 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(59, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 191, 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(59, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 191, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4114, 0.2078, 0.2451 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(59, 191, 255) }
```

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

```
.border{ border-color:rgb(59, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 191,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4114, 0.2078, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 191, 255) }
```

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

```
.background{ background-color: rgb(59, 191,  
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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