

# Converting Colors

$Yxy(44.4466, 0.2096, 0.2413)$

Have a look what the booklet for  
Yxy(44.4466, 0.2096, 0.2413)  
contains.

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# Color

**Yxy(44.5260, 0.2096, 0.2416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47BCFF
RGB	71, 188, 255
RGB Percent	28%, 74%, 100%
CMY	0.7215, 0.2627, 0.0001
CMYK	0.72, 0.26, 0.00, 0.00
HSL	202°, 100%, 64%
HSV	202°, 72%, 100%
XYZ	38.6285, 44.5260, 101.1418
YIQ	160.6550, -91.2390, -3.9670

# Conversions

## Conversions Part 2

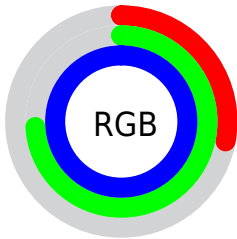
Format	Color
R <sub>Y</sub> B	71, 143, 255
Decimal	4701439
CIE Lab	72.58, -11.44, -42.42
CIE LCh	73, 43.938, 254.905
Yxy	44.5260, 0.2096, 0.2416
Android (android.graphics.Color)	4282891519 (0xFF47BCFF)
YUV	160.6550, 46.5121, -78.6274
Hunter-Lab	66.7278, -13.4406, -43.1586

# Details

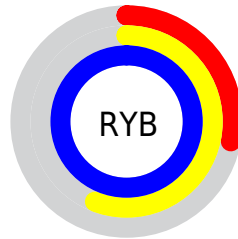
The Yxy color **44.5260, 0.2096, 0.2416** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **39.8835, 0.5030, 0.3899**, and the grayscale version is **35.2876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4968, 0.2498, 0.3162**, and **21.4052, 0.1948, 0.2211** is the 20% darker color. If you saturate the color by 10%, you get **39.9176, 0.2006, 0.2274**, and if you desaturate by 10%, it is **49.7967, 0.2206, 0.2558**.

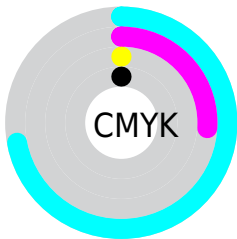
# Distribution



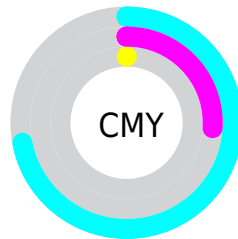
- Red (28%)
- Green (74%)
- Blue (100%)



- Red (28%)
- Yellow (56%)
- Blue (100%)



- Cyan (72%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (26%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5260, 0.2096, 0.2416 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 44.5260, 0.2096, 0.2416 by changing the saturation by 10% instead.



44.5260, 0.2096,  
0.2416

44.5260, 0.2096,  
0.2416

364.8504, 0.2587,  
0.2847

31.0842, 0.1983,  
0.2313

82.0087, 0.2267,  
0.2569

20.6630, 0.1845,  
0.2185

106.8184, 0.2334,  
0.2628

12.8779, 0.1672,  
0.2022

136.1862, 0.2391,  
0.2678

7.3445, 0.1453,  
0.1810

170.4964, 0.2441,  
0.2721

3.6785, 0.1172,  
0.1527

210.1336, 0.2484,  
0.2759

1.4954, 0.0813,  
0.1146

255.4821, 0.2523,

0.2855, 0.0000,

0.2792

0.0484

306.9262, 0.2557,  
0.2821

■ 0.0000, 0.0000,  
0.0000

■ 44.5260, 0.2096,  
0.2416

■ 44.5260, 0.2096,  
0.2416

■ 39.9176, 0.2006,  
0.2274

■ 49.7967, 0.2206,  
0.2558

■ 35.9077, 0.1937,  
0.2133

■ 55.7746, 0.2334,  
0.2696

■ 33.1119, 0.1896,  
0.2026

■ 62.5049, 0.2475,  
0.2829

■ 70.0268, 0.2625,  
0.2954

■ 78.3763, 0.2781,  
0.3069

■ 87.5866, 0.2938,  
0.3175

■ 97.6889, 0.3094,  
0.3271

■ 99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

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



44.5260, 0.2027, 0.2753



44.5260, 0.2096, 0.2416



44.5260, 0.2407, 0.2320

# Triad

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



44.5260, 0.2096, 0.2416



44.5260, 0.4116, 0.3156



44.5260, 0.3223, 0.4373

# Complementary

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



44.5260, 0.2096, 0.2416



39.8835, 0.5030, 0.3899

# 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.



44.5260, 0.3812, 0.4389



44.5260, 0.2096, 0.2416



44.5260, 0.4367, 0.3632

# Square

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



44.5260, 0.2096, 0.2416



44.5260, 0.3566, 0.2735



44.5260, 0.4241, 0.4084



44.5260, 0.2639, 0.3953



# Rectangle

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



44.5260, 0.2096, 0.2416



44.5260, 0.2736, 0.2377



44.5260, 0.4241, 0.4084



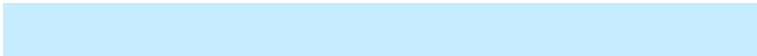
44.5260, 0.3428, 0.4424

# Sweetspot

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



44.5275, 0.2096, 0.2416



78.5232, 0.2783, 0.3071



74.6034, 0.2802, 0.4890



16.3038, 0.2741, 0.3041



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.



44.5275, 0.2096, 0.2416



37.9093, 0.1970, 0.2205



17.4094, 0.1802, 0.1252



19.3041, 0.2980, 0.3201



17.6000, 0.1902, 0.2049



1.9217, 0.1946, 0.2206



# Inverse Universe

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



29.3951, 0.3969, 0.2219



25.4213, 0.4214, 0.2166



76.8560, 0.4267, 0.4689



18.1816, 0.3194, 0.3140



12.5047, 0.4398, 0.2197

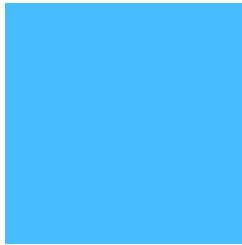


1.2385, 0.4226, 0.2102



# Previews

## White Background



This preview shows how the Yxy color 44.5260, 0.2096, 0.2416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

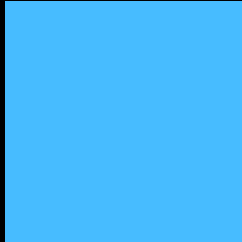
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5260, 0.2096, 0.2416 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

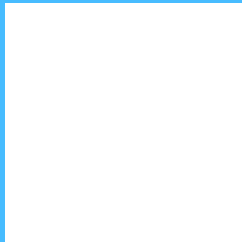
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.5260, 0.2096, 0.2416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5260, 0.2096, 0.2416.



This preview shows how white text looks on a background with the Yxy color 44.5260, 0.2096, 0.2416.

# 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

44.5260, 0.2096, 0.2416

### Protanopia

43.8717, 0.2500, 0.2428

### Deuteranopia

44.2904, 0.2378, 0.2327



## Tritanopia

44.5567, 0.2209, 0.3052

# Trichromacy



**Original Color**

44.5260, 0.2096, 0.2416

**Protanomaly**

43.3775, 0.2308, 0.2411

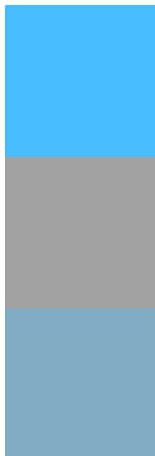
**Deuteranomaly**

43.7141, 0.2245, 0.2345

**Tritanomaly**

44.3457, 0.2157, 0.2794

# Monochromacy



**Original Color**

44.5260, 0.2096, 0.2416

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

37.6551, 0.2600, 0.2939

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5260, 0.2096, 0.2416 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(71, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 188, 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(71, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 188, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5260, 0.2096, 0.2416 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(71, 188, 255) }
```

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

```
.border{ border-color:rgb(71, 188, 255) }
```

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

Here you see how a box with a 4 pixel rgb(71, 188, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 188,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5260, 0.2096, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 188, 255) }
```

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

```
.background{ background-color: rgb(71, 188,  
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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