

# Converting Colors

$Y_{xy}(44.5392, 0.2322, 0.2649)$

Have a look what the booklet for  
Yxy(44.5392, 0.2322, 0.2649)  
contains.

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# Color

**Yxy(44.4378, 0.2323, 0.2649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FBAEA
RGB	111, 186, 234
RGB Percent	44%, 73%, 92%
CMY	0.5644, 0.2706, 0.0824
CMYK	0.53, 0.21, 0.00, 0.08
HSL	203°, 75%, 68%
HSV	203°, 53%, 92%
XYZ	38.9690, 44.4378, 84.3463
YIQ	169.0470, -60.1080, -0.9720

# Conversions

## Conversions Part 2

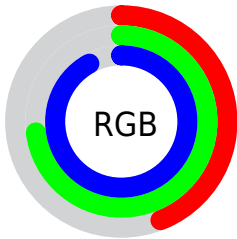
Format	Color
R <sub>Y</sub> B	111, 158, 234
Decimal	7322346
CIE Lab	72.52, -10.11, -31.06
CIE LCh	73, 32.663, 251.978
Yxy	44.4378, 0.2323, 0.2649
Android (android.graphics.Color)	4285512426 (0xFF6FBAEA)
YUV	169.0470, 32.0218, -50.9072
Hunter-Lab	66.6617, -12.3105, -28.3558

# Details

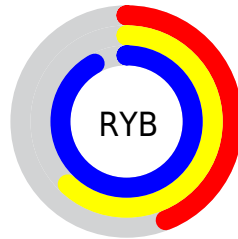
The Yxy color **44.4378, 0.2323, 0.2649** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.4519, 0.4335, 0.3828**, and the grayscale version is **39.5698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1593, 0.2628, 0.3145**, and **20.6178, 0.2115, 0.2471** is the 20% darker color. If you saturate the color by 10%, you get **39.3877, 0.2192, 0.2500**, and if you desaturate by 10%, it is **50.1347, 0.2467, 0.2791**.

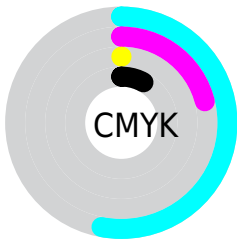
# Distribution



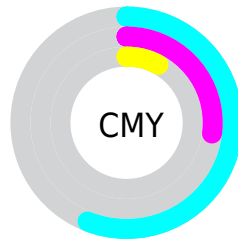
- Red (44%)
- Green (73%)
- Blue (92%)



- Red (44%)
- Yellow (62%)
- Blue (92%)



- Cyan (53%)
- Magenta (21%)
- Yellow (0%)
- Black (8%)



- Cyan (56%)
- Magenta (27%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4378, 0.2323, 0.2649 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 44.4378, 0.2323, 0.2649 by changing the saturation by 10% instead.



■ 44.4378, 0.2323,  
0.2649

■ 44.4378, 0.2323,  
0.2649

364.4918, 0.2714,  
0.2971

■ 31.0148, 0.2230,  
0.2570

■ 81.8761, 0.2462,  
0.2765

■ 20.6101, 0.2114,  
0.2469

■ 106.6603, 0.2515,  
0.2809

■ 12.8393, 0.1966,  
0.2338

■ 136.0003, 0.2560,  
0.2846

■ 7.3180, 0.1771,  
0.2161

170.2805, 0.2599,  
0.2878

■ 3.6618, 0.1505,  
0.1912

209.8854, 0.2633,  
0.2906

■ 1.4862, 0.1137,  
0.1547

255.1993, 0.2663,

■ 0.2790, 0.0050,

0.2930

0.0754

306.6067, 0.2690,  
0.2952

0.0000, 0.0000,  
0.0000

44.4378, 0.2323,  
0.2649

44.4378, 0.2323,  
0.2649

39.3877, 0.2192,  
0.2500

50.1347, 0.2467,  
0.2791

34.9433, 0.2079,  
0.2348

56.5062, 0.2619,  
0.2926

31.0648, 0.1985,  
0.2196

63.5841, 0.2775,  
0.3050


27.7034, 0.1913,  
0.2046


71.3962, 0.2933,  
0.3163

25.4745, 0.1871,  
0.1937

79.9687, 0.3088,  
0.3266

 89.3262, 0.3240,  
0.3358

 95.5298, 0.3255,  
0.3445

 98.7191, 0.3250,  
0.3493

# Harmonies

## Analogous

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



44.4378, 0.2290, 0.2935



44.4378, 0.2323, 0.2649



44.4378, 0.2551, 0.2546

# Triad

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



44.4378, 0.2323, 0.2649



44.4378, 0.3829, 0.3165



44.4378, 0.3259, 0.4092

# Complementary

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



44.4378, 0.2323, 0.2649



43.4519, 0.4335, 0.3828

# 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.



44.4378, 0.3693, 0.4100



44.4378, 0.2323, 0.2649



44.4378, 0.4043, 0.3535

# Square

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



44.4378, 0.2323, 0.2649



44.4378, 0.3413, 0.2840



44.4378, 0.3987, 0.3879



44.4378, 0.2808, 0.3812



# Rectangle

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



44.4378, 0.2323, 0.2649



44.4378, 0.2797, 0.2576



44.4378, 0.3987, 0.3879



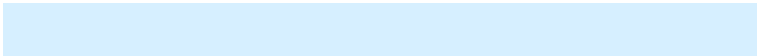
44.4378, 0.3412, 0.4126

# Sweetspot

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



44.4394, 0.2323, 0.2649



83.3215, 0.2877, 0.3124



64.6911, 0.2820, 0.4326



17.4122, 0.2844, 0.3101



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.



44.4394, 0.2323, 0.2649



47.4425, 0.2183, 0.2489



24.0949, 0.2152, 0.1800



16.0774, 0.2981, 0.3196



14.5702, 0.1878, 0.1960



1.3302, 0.1934, 0.2163



# Inverse Universe

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



32.4181, 0.3699, 0.2474



33.1462, 0.3874, 0.2342



69.6337, 0.3964, 0.4431



15.2084, 0.3198, 0.3147



10.9637, 0.4499, 0.2252



0.8797, 0.4272, 0.2127



# Previews

## White Background



This preview shows how the Yxy color 44.4378, 0.2323, 0.2649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

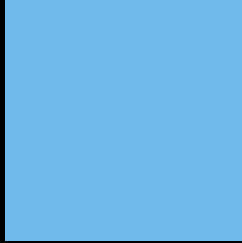
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4378, 0.2323, 0.2649 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

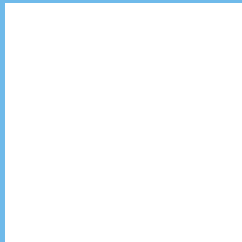
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.4378, 0.2323, 0.2649**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4378, 0.2323, 0.2649.



This preview shows how white text looks on a background with the Yxy color 44.4378, 0.2323, 0.2649.

# 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

44.4378, 0.2323, 0.2649

### Protanopia

44.0434, 0.2664, 0.2645

### Deuteranopia

43.9636, 0.2574, 0.2508



## Tritanopia

44.4845, 0.2428, 0.3073

# Trichromacy



**Original Color**

44.4378, 0.2323, 0.2649

**Protanomaly**

43.9171, 0.2523, 0.2642

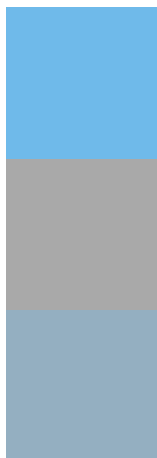
**Deuteranomaly**

43.7366, 0.2469, 0.2547

**Tritanomaly**

44.3563, 0.2390, 0.2911

# Monochromacy



**Original Color**

44.4378, 0.2323, 0.2649

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

40.8061, 0.2767, 0.3037

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4378, 0.2323, 0.2649 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(111, 186, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 186, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4378, 0.2323, 0.2649 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, 234) }
```

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

```
.border{ border-color:rgb(111, 186, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 186, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 186, 234);  
box-shadow:4px 4px 4px 4px rgb(111, 186,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4378, 0.2323, 0.2649 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, 234) }
```

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

```
.background{ background-color: rgb(111,  
186, 234) }
```

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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