

# Converting Colors

$Yxy(44.6594, 0.2672, 0.2777)$

Have a look what the booklet for  
Yxy(44.6594, 0.2672, 0.2777)  
contains.

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# Color

**Yxy(44.6238, 0.2671, 0.2772)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9EB3DB
RGB	158, 179, 219
RGB Percent	62%, 70%, 86%
CMY	0.3806, 0.2980, 0.1412
CMYK	0.28, 0.18, 0.00, 0.14
HSL	219°, 46%, 74%
HSV	219°, 28%, 86%
XYZ	42.9979, 44.6238, 73.3588
YIQ	177.2810, -25.3560, 7.9880

# Conversions

## Conversions Part 2

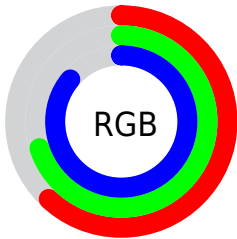
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 174, 219
Decimal	10400731
CIE Lab	72.64, 1.75, -22.50
CIE LCh	73, 22.566, 274.439
Yxy	44.6238, 0.2671, 0.2772
Android (android.graphics.Color)	4288590811 (0xFF9EB3DB)
YUV	177.2810, 20.5675, -16.9094
Hunter-Lab	66.8010, -2.0066, -18.3497

# Details

The Yxy color **44.6238, 0.2671, 0.2772** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.8780, 0.3607, 0.3758**, and the grayscale version is **44.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9328, 0.2874, 0.3081**, and **20.6053, 0.2542, 0.2620** is the 20% darker color. If you saturate the color by 10%, you get **37.1468, 0.2493, 0.2549**, and if you desaturate by 10%, it is **53.0978, 0.2843, 0.2976**.

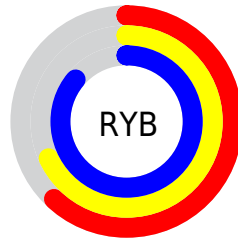
# Distribution



Red (62%)

Green (70%)

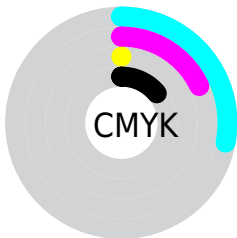
Blue (86%)



Red (62%)

Yellow (68%)

Blue (86%)

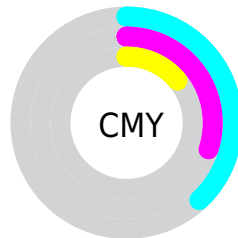


Cyan (28%)

Magenta (18%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (30%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6238, 0.2671, 0.2772 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 44.6238, 0.2671, 0.2772 by changing the saturation by 10% instead.





 44.6238, 0.2671,  
0.2772


 44.6238, 0.2671,  
0.2772


365.2478, 0.2898,  
0.3028

 31.1612, 0.2615,  
0.2709


 82.1556, 0.2753,  
0.2864

 20.7216, 0.2544,  
0.2630


 106.9936, 0.2784,  
0.2899

 12.9207, 0.2450,  
0.2525


136.3922, 0.2810,  
0.2929

 7.3739, 0.2322,  
0.2383

170.7357, 0.2833,  
0.2954

 3.6970, 0.2138,  
0.2180

210.4087, 0.2852,  
0.2976

 1.5056, 0.1853,  
0.1869

255.7954, 0.2869,

 0.2927, 0.1132,

0.2996

0.1033

307.2803, 0.2884,  
0.3013

0.0000, 0.0000,  
0.0000

44.6238, 0.2671,  
0.2772

44.6238, 0.2671,  
0.2772

37.1468, 0.2493,  
0.2549

53.0978, 0.2843,  
0.2976

30.6223, 0.2315,  
0.2309

62.6005, 0.3006,  
0.3160

25.0100, 0.2142,  
0.2058

73.1683, 0.3159,  
0.3323

20.2644, 0.1982,  
0.1805

84.8344, 0.3299,  
0.3467

16.3352, 0.1843,  
0.1559

95.1935, 0.3345,  
0.3601

■ 13.1657, 0.1732,  
0.1330

■ 97.8941, 0.3340,  
0.3641

■ 10.6838, 0.1651,  
0.1130

■ 10.2266, 0.1636,  
0.1091

# Harmonies

## Analogous

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



44.6238, 0.2539, 0.2887



44.6238, 0.2671, 0.2772



44.6238, 0.2925, 0.2789

# Triad

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



44.6238, 0.2671, 0.2772



44.6238, 0.3736, 0.3408



44.6238, 0.2987, 0.3703

# Complementary

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



44.6238, 0.2671, 0.2772



57.8780, 0.3607, 0.3758

# 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.



44.6238, 0.3307, 0.3852



44.6238, 0.2671, 0.2772



44.6238, 0.3749, 0.3657

# Square

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



44.6238, 0.2671, 0.2772



44.6238, 0.3548, 0.3144



44.6238, 0.3588, 0.3827



44.6238, 0.2714, 0.3426



# Rectangle

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



44.6238, 0.2671, 0.2772



44.6238, 0.3137, 0.2867



44.6238, 0.3588, 0.3827



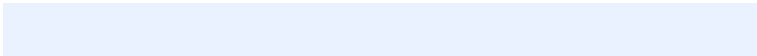
44.6238, 0.3092, 0.3771

# Sweetspot

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



44.6256, 0.2671, 0.2772



88.1052, 0.3003, 0.3156



61.9829, 0.2847, 0.3560



18.4029, 0.2979, 0.3130



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.



44.6256, 0.2671, 0.2772



57.1216, 0.2575, 0.2653



37.7769, 0.2715, 0.2504



13.3485, 0.2981, 0.3133



6.2490, 0.1644, 0.1118



0.5624, 0.1736, 0.1448



# Inverse Universe

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



42.7502, 0.3525, 0.3040



54.4945, 0.3631, 0.2989



66.8034, 0.3475, 0.4000



13.1254, 0.3238, 0.3210



9.2546, 0.5584, 0.2850

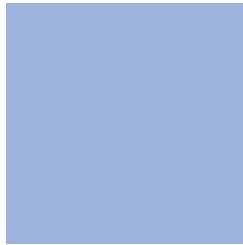


0.6155, 0.5127, 0.2598



# Previews

## White Background



This preview shows how the Yxy color 44.6238, 0.2671, 0.2772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

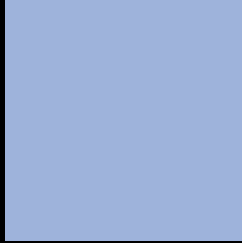
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6238, 0.2671, 0.2772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

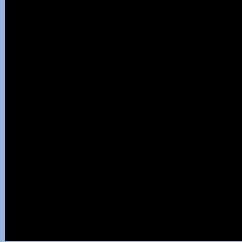
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

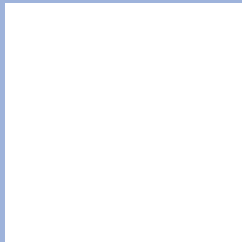
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.6238, 0.2671, 0.2772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.6238, 0.2671, 0.2772.



This preview shows how white text looks on a background with the Yxy color 44.6238, 0.2671, 0.2772.

# 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

44.6238, 0.2671, 0.2772

### Protanopia

44.4954, 0.2762, 0.2767

### Deuteranopia

44.4381, 0.2778, 0.2712



## Tritanopia

44.6705, 0.2785, 0.3099

# Trichromacy



## Original Color

44.6238, 0.2671, 0.2772

## Protanomaly

44.5056, 0.2726, 0.2764

## Deuteranomaly

44.5428, 0.2734, 0.2731

## Tritanomaly

44.8322, 0.2745, 0.2982

# Monochromacy



## Original Color

44.6238, 0.2671, 0.2772

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1926, 0.2951, 0.3104

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6238, 0.2671, 0.2772 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(158, 179, 219)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 219)  
}
```

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(158, 179, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6238, 0.2671, 0.2772 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(158, 179, 219) }
```

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

```
.border{ border-color:rgb(158, 179, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 219);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6238, 0.2671, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 219) }
```

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

```
.background{ background-color: rgb(158,  
179, 219) }
```

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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