

# Converting Colors

Yxy(35.8719, 0.2560, 0.2443)

Have a look what the booklet for  
Yxy(35.8719, 0.2560, 0.2443)  
contains.

<b>Yxy(35.7240, 0.2559, 0.2438)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(35.7240, 0.2559, 0.2438)**

# Conversions

Conversions Part 1	
Format	Color
Hex	959DDD
RGB	149, 157, 221
RGB Percent	58%, 62%, 87%
CMY	0.4158, 0.3843, 0.1334
CMYK	0.33, 0.29, 0.00, 0.13
HSL	233°, 51%, 73%
HSV	233°, 33%, 87%
XYZ	37.4970, 35.7240, 73.3089
YIQ	161.9040, -25.3120, 18.2080

# Conversions

## Conversions Part 2

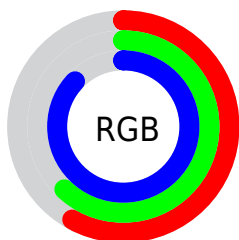
Format	Color
<a href="#">RYB</a>	<a href="#">149, 156, 221</a>
Decimal	<a href="#">9805277</a>
CIELab	<a href="#">66.31, 11.93, -33.38</a>
CIELCh	<a href="#">66, 35.449, 289.669</a>
Yxy	<a href="#">35.7240, 0.2559, 0.2438</a>
Android (android.graphics.Color)	<a href="#">4287995357</a> (0xFF959DDD)
YUV	<a href="#">161.9040, 29.1343, -11.3168</a>
Hunter-Lab	<a href="#">59.7696, 7.3870, -30.8821</a>

# Details

The Yxy color  $35.7240, 0.2559, 0.2438$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $65.0987, 0.3643, 0.4019$ , and the grayscale version is  $35.9534, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $66.7877, 0.2803, 0.2814$ , and  $15.5480, 0.2388, 0.2202$  is the 20% darker color. If you saturate the color by 10%, you get  $27.7220, 0.2357, 0.2122$ , and if you desaturate by 10%, it is  $45.1904, 0.2751, 0.2732$ .

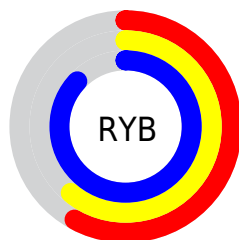
# Distribution



Red (58%)

Green (62%)

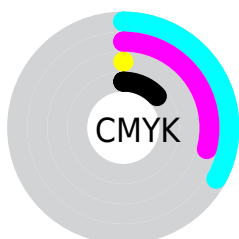
Blue (87%)



Red (58%)

Yellow (61%)

Blue (87%)

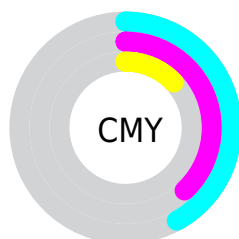


Cyan (33%)

Magenta (29%)

Yellow (0%)

Black (13%)



Cyan (42%)

Magenta (38%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7240, 0.2559, 0.2438 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 35.7240, 0.2559, 0.2438 by changing the saturation by 10% instead.




 35.7240, 0.2559,  
0.2438


 35.7240, 0.2559,  
0.2438


327.7526, 0.2852,  
0.2861

 24.2211, 0.2484,  
0.2335


 68.6059, 0.2667,  
0.2590

 15.4977, 0.2388,  
0.2205


 90.7536, 0.2707,  
0.2648

 9.1694, 0.2260,  
0.2037


117.2184, 0.2741,  
0.2696

 4.8519, 0.2082,  
0.1811

148.3847, 0.2770,  
0.2739

 2.1606, 0.1824,  
0.1499

184.6369, 0.2795,  
0.2775

 0.6984, 0.1432,  
0.1041


226.3594, 0.2816,

 0.0000, 0.0000,


0.2807


0.0000


273.9364, 0.2835,  
0.2835


 35.7240, 0.2559,  
0.2438


 35.7240, 0.2559,  
0.2438

 27.7220, 0.2357,  
0.2122


 45.1904, 0.2751,  
0.2732


 21.1072, 0.2152,  
0.1796


 56.1853, 0.2929,  
0.2998


 15.8011, 0.1958,  
0.1475

 68.7737, 0.3089,  
0.3234

 11.7161, 0.1786,  
0.1182

 83.0158, 0.3231,  
0.3441

 8.7533, 0.1650,  
0.0937

 97.9992, 0.3328,  
0.3621

■ 6.7983, 0.1560,  
0.0757

■ 5.8997, 0.1519,  
0.0670

# Harmonies

## Analogous

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



35.7240, 0.2248, 0.2497



35.7240, 0.2559, 0.2438



35.7240, 0.3044, 0.2570

# Triad

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



35.7240, 0.2559, 0.2438



35.7240, 0.4210, 0.3670



35.7240, 0.2634, 0.3780

# Complementary

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



35.7240, 0.2559, 0.2438



65.0987, 0.3643, 0.4019

# 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.



35.7240, 0.3134, 0.4183



35.7240, 0.2559, 0.2438



35.7240, 0.4059, 0.4049

# Square

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



35.7240, 0.2559, 0.2438



35.7240, 0.4040, 0.3245



35.7240, 0.3658, 0.4265



35.7240, 0.2284, 0.3232



# Rectangle

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



35.7240, 0.2559, 0.2438



35.7240, 0.3415, 0.2746



35.7240, 0.3658, 0.4265



35.7240, 0.2789, 0.3942

# Sweetspot

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



35.7254, 0.2559, 0.2438



81.8679, 0.2970, 0.3060



62.8711, 0.2710, 0.3394



17.0169, 0.2947, 0.3025



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.



35.7254, 0.2559, 0.2438



41.7505, 0.2423, 0.2227



36.0060, 0.2771, 0.2385



12.8499, 0.2981, 0.3076



3.5101, 0.1523, 0.0684



0.3076, 0.1580, 0.0889



# Inverse Universe

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



39.2922, 0.3793, 0.3195



47.6631, 0.3997, 0.3176



65.2573, 0.3403, 0.4161



13.0750, 0.3274, 0.3264



8.9781, 0.6259, 0.3222

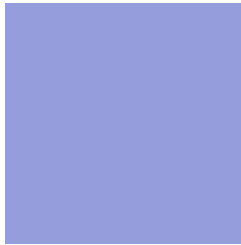


0.5897, 0.5928, 0.3040



# Previews

## White Background



This preview shows how the Yxy color 35.7240, 0.2559, 0.2438 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

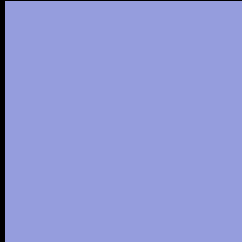
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.7240, 0.2559, 0.2438 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

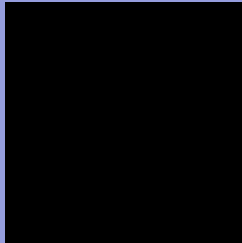
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.7240, 0.2559, 0.2438**

## Background



This preview shows how black text looks on a background with the Yxy color 35.7240, 0.2559, 0.2438.



This preview shows how white text looks on a background with the Yxy color 35.7240, 0.2559, 0.2438.

# 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

35.7240, 0.2559, 0.2438

### Protanopia

35.8210, 0.2505, 0.2443

### Deuteranopia

35.8564, 0.2519, 0.2456



## Tritanopia

35.7001, 0.2802, 0.3096

# Trichromacy



**Original Color**  
35.7240, 0.2559, 0.2438

**Protanomaly**  
35.7474, 0.2525, 0.2434

**Deuteranomaly**  
35.6939, 0.2531, 0.2445

**Tritanomaly**  
35.5753, 0.2704, 0.2831

# Monochromacy



**Original Color**  
35.7240, 0.2559, 0.2438

**Achromatopsia**  
36.1307, 0.3127, 0.3290

**Achromatomaly**  
35.7286, 0.2904, 0.2963

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7240, 0.2559, 0.2438 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(149, 157, 221) looks like.

```
.text, #text, p{  
    color:rgb(149, 157, 221)  
}
```

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(149, 157, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 157, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7240, 0.2559, 0.2438 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(149, 157, 221) }
```

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

```
.border{ border-color:rgb(149, 157, 221) }
```

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

Here you see how a box with a 4 pixel rgb(149, 157, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 157, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 157, 221);  
box-shadow:4px 4px 4px 4px rgb(149, 157,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7240, 0.2559, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 157, 221) }
```

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

```
.background{ background-color: rgb(149,  
157, 221) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor