

# Converting Colors

$Y_{xy}(40.0459, 0.3144, 0.2733)$

Have a look what the booklet for  
Yxy(40.0459, 0.3144, 0.2733)  
contains.

<b>Yxy(39.9391, 0.3144, 0.2725)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.9391, 0.3144, 0.2725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C89BC9
RGB	200, 155, 201
RGB Percent	78%, 61%, 79%
CMY	0.2158, 0.3921, 0.2117
CMYK	0.01, 0.23, 0.00, 0.21
HSL	299°, 30%, 70%
HSV	299°, 23%, 79%
XYZ	46.0802, 39.9391, 60.5462
YIQ	173.6990, 12.0540, 23.8460

# Conversions

## Conversions Part 2

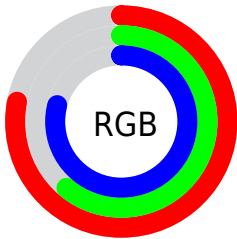
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 155, 201
Decimal	13147081
CIE <sub>Lab</sub>	69.43, 24.58, -17.18
CIE <sub>LCh</sub>	69, 29.984, 325.046
Yxy	39.9391, 0.3144, 0.2725
Android (android.graphics.Color)	4291337161 (0xFFC89BC9)
YUV	173.6990, 13.4594, 23.0660
Hunter-Lab	63.1974, 19.5573, -12.5646

# Details

The Yxy color  $39.9391, 0.3144, 0.2725$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $51.2189, 0.3105, 0.3924$ , and the grayscale version is  $42.0907, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.5732, 0.3148, 0.2851$ , and  $17.9181, 0.3148, 0.2567$  is the 20% darker color. If you saturate the color by 10%, you get  $33.7351, 0.3150, 0.2478$ , and if you desaturate by 10%, it is  $47.2605, 0.3137, 0.2975$ .

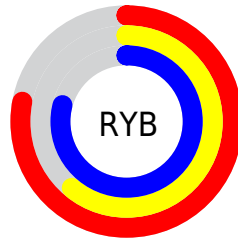
# Distribution



Red (78%)

Green (61%)

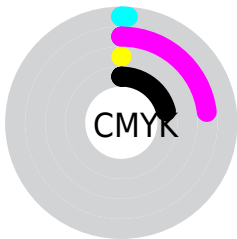
Blue (79%)



Red (78%)

Yellow (61%)

Blue (79%)

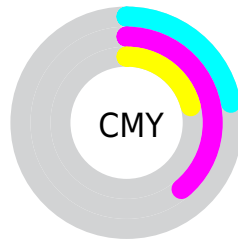


Cyan (1%)

Magenta (23%)

Yellow (0%)

Black (21%)



Cyan (22%)

Magenta (39%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9391, 0.3144, 0.2725 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 39.9391, 0.3144, 0.2725 by changing the saturation by 10% instead.




 39.9391, 0.3144,  
0.2725


 39.9391, 0.3144,  
0.2725


345.8668, 0.3141,  
0.3002

 27.4911, 0.3143,  
0.2658


 75.0708, 0.3144,  
0.2824

 17.9424, 0.3142,  
0.2573


 98.5232, 0.3143,  
0.2862

 10.9086, 0.3138,  
0.2461


126.4125, 0.3143,  
0.2894

 6.0054, 0.3130,  
0.2310

159.1232, 0.3142,  
0.2921

 2.8484, 0.3113,  
0.2093

197.0395, 0.3142,  
0.2946

 1.0531, 0.3070,  
0.1761

240.5460, 0.3141,

 0.0000, 0.3209,

0.2967

0.0000

290.0270, 0.3141,  
0.2985

0.0000, 0.0000,  
0.0000

39.9391, 0.3144,  
0.2725

39.9391, 0.3144,  
0.2725

33.7351, 0.3150,  
0.2478

47.2605, 0.3137,  
0.2975

28.5882, 0.3156,  
0.2243

55.7454, 0.3129,  
0.3221

24.4404, 0.3159,  
0.2029

65.4435, 0.3122,  
0.3457

21.2259, 0.3161,  
0.1845

76.4002, 0.3114,  
0.3679

18.8712, 0.3161,  
0.1700

88.3274, 0.3107,  
0.3880

■ 17.2917, 0.3160,  
0.1596

■ 88.3906, 0.3110,  
0.3880

■ 16.3856, 0.3156,  
0.1535

■ 88.4540, 0.3112,  
0.3879

■ 16.0201, 0.3153,  
0.1511

■ 88.5176, 0.3115,  
0.3879

■ 88.5814, 0.3118,  
0.3878

# Harmonies

## Analogous

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



39.9391, 0.2725, 0.2590



39.9391, 0.3144, 0.2725



39.9391, 0.3587, 0.2987

# Triad

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



39.9391, 0.3144, 0.2725



39.9391, 0.3848, 0.3965



39.9391, 0.2397, 0.3174

# Complementary

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



39.9391, 0.3144, 0.2725



51.2189, 0.3105, 0.3924

# 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.



39.9391, 0.2662, 0.3610



39.9391, 0.3144, 0.2725



39.9391, 0.3497, 0.4088

# Square

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



39.9391, 0.3144, 0.2725



39.9391, 0.4007, 0.3677



39.9391, 0.3062, 0.3963



39.9391, 0.2318, 0.2814



# Rectangle

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



39.9391, 0.3144, 0.2725



39.9391, 0.3826, 0.3207



39.9391, 0.3062, 0.3963



39.9391, 0.2466, 0.3318

# Sweetspot

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



39.9408, 0.3144, 0.2725



89.0593, 0.3133, 0.3118



35.1477, 0.2744, 0.2676



18.8708, 0.3133, 0.3103



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.



39.9408, 0.3144, 0.2725



63.3688, 0.3147, 0.2613



39.1428, 0.3351, 0.2981



10.8040, 0.3134, 0.3062



10.0770, 0.3154, 0.1511



0.4811, 0.3166, 0.1518



# Inverse Universe

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



38.2678, 0.3582, 0.3278



60.0588, 0.3702, 0.3276



51.9028, 0.2951, 0.3622



10.6407, 0.3286, 0.3285



7.8157, 0.6373, 0.3285

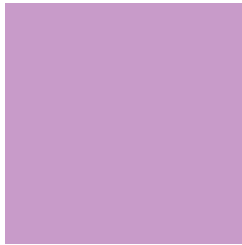


0.3715, 0.6276, 0.3231



# Previews

## White Background



This preview shows how the Yxy color 39.9391, 0.3144, 0.2725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

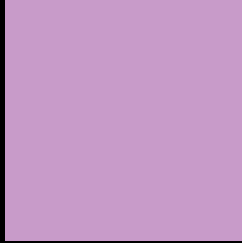
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9391, 0.3144, 0.2725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

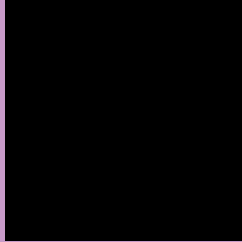
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9391, 0.3144, 0.2725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.9391, 0.3144, 0.2725.



This preview shows how white text looks on a background with the Yxy color 39.9391, 0.3144, 0.2725.

# 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

39.9391, 0.3144, 0.2725

### Protanopia

40.1320, 0.2733, 0.2733

### Deuteranopia

40.1666, 0.2910, 0.2854



## Tritanopia

39.8945, 0.3356, 0.3123

# Trichromacy



## Original Color

39.9391, 0.3144, 0.2725

## Protanomaly

39.8133, 0.2872, 0.2720

## Deuteranomaly

39.9559, 0.2988, 0.2800

## Tritanomaly

39.7429, 0.3276, 0.2972

# Monochromacy



## Original Color

39.9391, 0.3144, 0.2725

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.1654, 0.3129, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9391, 0.3144, 0.2725 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(200, 155, 201)` looks like.

```
.text, #text, p{  
    color:rgb(200, 155, 201)  
}
```

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(200, 155, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 155, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9391, 0.3144, 0.2725 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(200, 155, 201) }
```

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

```
.border{ border-color:rgb(200, 155, 201) }
```

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

Here you see how a box with a 4 pixel rgb(200, 155, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 155, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 155, 201);  
box-shadow:4px 4px 4px 4px rgb(200, 155,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9391, 0.3144, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 155, 201) }
```

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

```
.background{ background-color: rgb(200,  
155, 201) }
```

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