

# Converting Colors

$Yxy(49.7413, 0.3088, 0.3239)$

Have a look what the booklet for  
Yxy(49.7413, 0.3088, 0.3239)  
contains.

<b>Yxy(49.7413, 0.3088, 0.3239)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.7413, 0.3088, 0.3239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BABBBF
RGB	186, 187, 191
RGB Percent	73%, 73%, 75%
CMY	0.2707, 0.2666, 0.2509
CMYK	0.03, 0.02, 0.00, 0.25
HSL	228°, 4%, 74%
HSV	228°, 3%, 75%
XYZ	47.4224, 49.7413, 56.4062
YIQ	187.1570, -1.8800, 1.0320

# Conversions

## Conversions Part 2

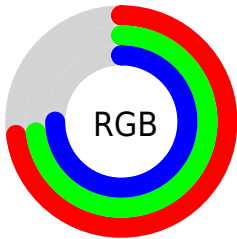
Format	Color
R <sub>Y</sub> B	186, 187, 191
Decimal	12237759
CIE Lab	75.91, 0.40, -2.16
CIE LCh	76, 2.199, 280.587
Yxy	49.7413, 0.3088, 0.3239
Android (android.graphics.Color)	4290427839 (0xFFBABBBF)
YUV	187.1570, 1.8946, -1.0147
Hunter-Lab	70.5275, -3.4005, 1.9505

# Details

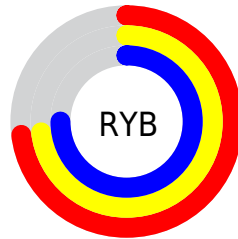
The Yxy color **49.7413, 0.3088, 0.3239** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.4505, 0.3166, 0.3340**, and the grayscale version is **49.7774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6938, 0.3097, 0.3250**, and **23.8717, 0.3075, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **41.3922, 0.2930, 0.3030**, and if you desaturate by 10%, it is **59.0983, 0.3231, 0.3423**.

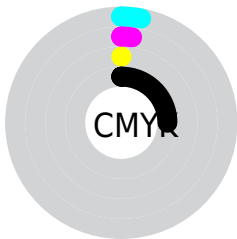
# Distribution



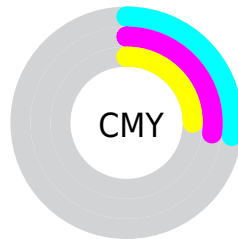
- Red (73%)
- Green (73%)
- Blue (75%)



- Red (73%)
- Yellow (73%)
- Blue (75%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (27%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7413, 0.3088, 0.3239 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 49.7413, 0.3088, 0.3239 by changing the saturation by 10% instead.



■ 49.7413, 0.3088,  
0.3239

■ 49.7413, 0.3088,  
0.3239

385.6534, 0.3107,  
0.3264

■ 35.2079, 0.3083,  
0.3233

■ 89.7915, 0.3095,  
0.3248

■ 23.8231, 0.3077,  
0.3225

116.0770, 0.3098,  
0.3252

■ 15.2024, 0.3069,  
0.3214

147.0487, 0.3100,  
0.3255

■ 8.9616, 0.3058,  
0.3200

183.0909, 0.3102,  
0.3257

■ 4.7161, 0.3041,  
0.3178

224.5881, 0.3104,  
0.3259

■ 2.0817, 0.3014,  
0.3144

271.9247, 0.3105,

■ 0.6543, 0.2939,

0.3261

0.3044

325.4850, 0.3106,  
0.3263

0.0000, 0.0000,  
0.0000

49.7413, 0.3088,  
0.3239

49.7413, 0.3088,  
0.3239

41.3922, 0.2930,  
0.3030

59.0983, 0.3231,  
0.3423

34.0108, 0.2759,  
0.2795

69.4889, 0.3359,  
0.3584

27.5635, 0.2575,  
0.2536

80.9460, 0.3473,  
0.3723

22.0124, 0.2384,  
0.2255

92.0701, 0.3524,  
0.3854

17.3170, 0.2191,  
0.1961

96.5427, 0.3508,  
0.3919

■ 13.4333, 0.2007,  
0.1665

■ 10.3137, 0.1842,  
0.1382

■ 7.9048, 0.1705,  
0.1128

■ 6.1460, 0.1607,  
0.0920

# Harmonies

## Analogous

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



49.7413, 0.3072, 0.3250



49.7413, 0.3088, 0.3239



49.7413, 0.3115, 0.3242

# Triad

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



49.7413, 0.3088, 0.3239



49.7413, 0.3185, 0.3309



49.7413, 0.3109, 0.3323

# Complementary

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



49.7413, 0.3088, 0.3239



51.4505, 0.3166, 0.3340

# 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.



49.7413, 0.3139, 0.3339



49.7413, 0.3088, 0.3239



49.7413, 0.3183, 0.3331

# Square

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



49.7413, 0.3088, 0.3239



49.7413, 0.3171, 0.3282



49.7413, 0.3167, 0.3342



49.7413, 0.3084, 0.3298



# Rectangle

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



49.7413, 0.3088, 0.3239



49.7413, 0.3135, 0.3251



49.7413, 0.3167, 0.3342



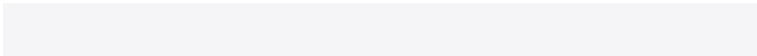
49.7413, 0.3119, 0.3329

# Sweetspot

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



49.7434, 0.3088, 0.3239



91.6624, 0.3112, 0.3271



51.4245, 0.3095, 0.3304



20.1462, 0.3113, 0.3272



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

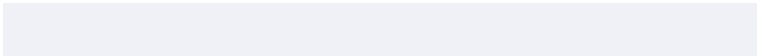


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7434, 0.3088, 0.3239



88.4218, 0.3082, 0.3231



49.4889, 0.3100, 0.3226



10.5583, 0.3071, 0.3217



3.5157, 0.1561, 0.0819



0.2321, 0.1684, 0.1262



# Inverse Universe

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



49.7775, 0.3161, 0.3277



88.4938, 0.3167, 0.3275



51.7127, 0.3154, 0.3353



10.5694, 0.3176, 0.3272



7.3846, 0.6039, 0.3101

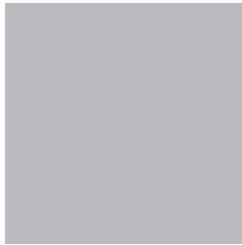


0.2988, 0.5379, 0.2737



# Previews

## White Background



This preview shows how the Yxy color 49.7413, 0.3088, 0.3239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

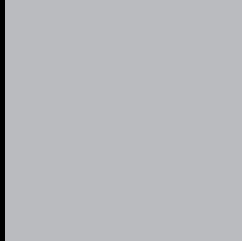
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.7413, 0.3088, 0.3239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

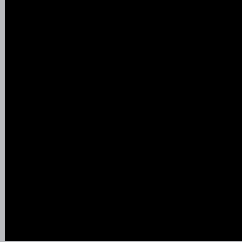
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

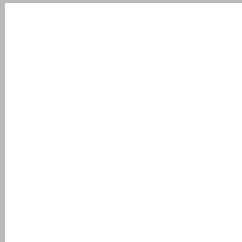
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.7413, 0.3088, 0.3239**

## Background



This preview shows how black text looks on a background with the Yxy color 49.7413, 0.3088, 0.3239.



This preview shows how white text looks on a background with the Yxy color 49.7413, 0.3088, 0.3239.

# 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

49.7413, 0.3088, 0.3239

### Protanopia

49.6543, 0.3121, 0.3240

### Deuteranopia

49.5500, 0.3228, 0.3156



## Tritanopia

49.8527, 0.3029, 0.3115

# Trichromacy



## Original Color

49.7413, 0.3088, 0.3239

## Protanomaly

49.5269, 0.3113, 0.3239

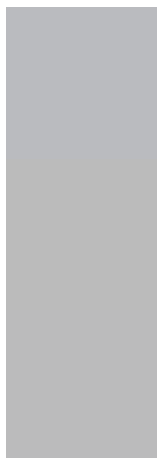
## Deuteranomaly

49.5431, 0.3175, 0.3179

## Tritanomaly

49.7138, 0.3052, 0.3152

# Monochromacy



## Original Color

49.7413, 0.3088, 0.3239

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.7363, 0.3119, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.7413, 0.3088, 0.3239 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(186, 187, 191)` looks like.

```
.text, #text, p{  
    color:rgb(186, 187, 191)  
}
```

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(186, 187, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 187, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 49.7413, 0.3088, 0.3239 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(186, 187, 191) }
```

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

```
.border{ border-color:rgb(186, 187, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 187, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 187, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 187, 191);  
box-shadow:4px 4px 4px 4px rgb(186, 187,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.7413, 0.3088, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 187, 191) }
```

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

```
.background{ background-color: rgb(186,  
187, 191) }
```

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