

# Converting Colors

Yxy(51.5335, 0.3687, 0.3399)

Have a look what the booklet for  
Yxy(51.5335, 0.3687, 0.3399)  
contains.

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# Color

**Yxy(51.6569, 0.3689, 0.3406)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7B2A8
RGB	231, 178, 168
RGB Percent	91%, 70%, 66%
CMY	0.0940, 0.3020, 0.3412
CMYK	0.00, 0.23, 0.27, 0.09
HSL	10°, 57%, 78%
HSV	10°, 27%, 91%
XYZ	55.9490, 51.6569, 44.0585
YIQ	192.7070, 34.7980, 8.1260

# Conversions

## Conversions Part 2

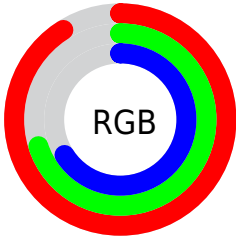
Format	Color
RYB	231, 180, 168
Decimal	15184552
CIELab	77.08, 17.85, 12.55
CIELCh	77, 21.820, 35.096
Yxy	51.6569, 0.3689, 0.3406
Android (android.graphics.Color)	4293374632 (0xFFE7B2A8)
YUV	192.7070, -12.1806, 33.5830
Hunter-Lab	71.8727, 13.1752, 13.9657

# Details

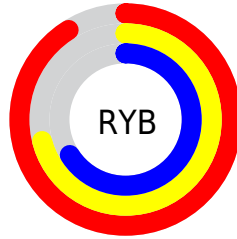
The Yxy color **51.6569, 0.3689, 0.3406** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **65.8162, 0.2718, 0.3170**, and the grayscale version is **53.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4334, 0.3342, 0.3400**, and **24.9269, 0.3842, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **43.6802, 0.3981, 0.3451**, and if you desaturate by 10%, it is **60.8870, 0.3447, 0.3362**.

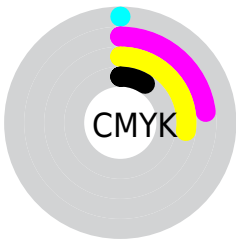
# Distribution



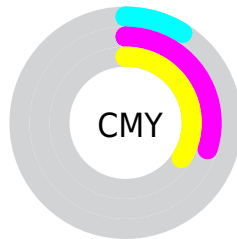
- Red (91%)
- Green (70%)
- Blue (66%)



- Red (91%)
- Yellow (71%)
- Blue (66%)



- Cyan (0%)
- Magenta (23%)
- Yellow (27%)
- Black (9%)




- Cyan (9%)
- Magenta (30%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6569, 0.3689, 0.3406 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 51.6569, 0.3689, 0.3406 by changing the saturation by 10% instead.





 51.6569, 0.3689,  
0.3406

 51.6569, 0.3689,  
0.3406


393.1106, 0.3410,  
0.3355

 36.7317, 0.3758,  
0.3417

 92.6250, 0.3588,  
0.3389

 24.9998, 0.3845,  
0.3429

 119.4367, 0.3550,  
0.3382

 16.0769, 0.3961,  
0.3443


150.9794, 0.3518,  
0.3376

 9.5786, 0.4120,  
0.3460

187.6374, 0.3490,  
0.3371

 5.1205, 0.4351,  
0.3476

229.7951, 0.3466,  
0.3366

 2.3181, 0.4717,  
0.3483

277.8370, 0.3445,

 0.7833, 0.6105,

0.3362

0.3895

332.1473, 0.3427,  
0.3358

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.6569, 0.3689,  
0.3406

51.6569, 0.3689,  
0.3406

43.6802, 0.3981,  
0.3451

60.8870, 0.3447,  
0.3362

36.8956, 0.4326,  
0.3492

71.4138, 0.3249,  
0.3319

31.2478, 0.4723,  
0.3524

83.2875, 0.3086,  
0.3280

26.6739, 0.5153,  
0.3539

95.7339, 0.2982,  
0.3290

■ 23.1050, 0.5579,  
0.3529

■ 20.4639, 0.5948,  
0.3490

■ 18.6606, 0.6208,  
0.3425

■ 18.2979, 0.6263,  
0.3409

# Harmonies

## Analogous

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



51.6569, 0.3520, 0.3161



51.6569, 0.3689, 0.3406



51.6569, 0.3698, 0.3635

# Triad

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



51.6569, 0.3689, 0.3406



51.6569, 0.2992, 0.3664



51.6569, 0.2710, 0.2810

# Complementary

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



51.6569, 0.3689, 0.3406



65.8162, 0.2718, 0.3170

# 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.



51.6569, 0.2585, 0.2915



51.6569, 0.3689, 0.3406



51.6569, 0.2742, 0.3410

# Square

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



51.6569, 0.3689, 0.3406



51.6569, 0.3287, 0.3805



51.6569, 0.2596, 0.3131



51.6569, 0.2948, 0.2828



# Rectangle

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



51.6569, 0.3689, 0.3406



51.6569, 0.3613, 0.3749



51.6569, 0.2596, 0.3131



51.6569, 0.2654, 0.2832

# Sweetspot

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



51.6593, 0.3689, 0.3406



88.2909, 0.3263, 0.3322



50.2438, 0.3236, 0.2706



18.4527, 0.3290, 0.3328



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.



51.6593, 0.3689, 0.3406



58.5645, 0.3854, 0.3433



65.4034, 0.3599, 0.3746



14.7357, 0.3289, 0.3328



10.3713, 0.6242, 0.3426



0.8796, 0.5990, 0.3626



# Inverse Universe

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



65.8162, 0.2718, 0.3170



79.1488, 0.2637, 0.3141



50.9423, 0.2680, 0.2787



15.9260, 0.2981, 0.3252



25.0957, 0.2105, 0.2778



1.9595, 0.2128, 0.2860



# Previews

## White Background



This preview shows how the Yxy color 51.6569, 0.3689, 0.3406 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 51.6569, 0.3689, 0.3406 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 51.6569, 0.3689, 0.3406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.6569, 0.3689, 0.3406.



This preview shows how white text looks on a background with the Yxy color 51.6569, 0.3689, 0.3406.

# 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

51.6569, 0.3689, 0.3406

### Protanopia

51.8887, 0.3318, 0.3490

### Deuteranopia

51.9764, 0.3564, 0.3493



## Tritanopia

51.6144, 0.3535, 0.3145

# Trichromacy



## Original Color

51.6569, 0.3689, 0.3406

## Protanomaly

51.7980, 0.3446, 0.3460

## Deuteranomaly

51.9339, 0.3614, 0.3467

## Tritanomaly

51.5427, 0.3586, 0.3235

# Monochromacy



## Original Color

51.6569, 0.3689, 0.3406

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.6925, 0.3318, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6569, 0.3689, 0.3406 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(231, 178, 168)` looks like.

```
.text, #text, p{  
    color:rgb(231, 178, 168)  
}
```

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(231, 178, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 178, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6569, 0.3689, 0.3406 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(231, 178, 168) }
```

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

```
.border{ border-color:rgb(231, 178, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 178, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 178, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 178, 168);  
box-shadow:4px 4px 4px 4px rgb(231, 178,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6569, 0.3689, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 178, 168) }
```

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

```
.background{ background-color: rgb(231,  
178, 168) }
```

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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