

# Converting Colors

$Yxy(51.1701, 0.3697, 0.3218)$

Have a look what the booklet for  
Yxy(51.1701, 0.3697, 0.3218)  
contains.

<b>Yxy(51.2447, 0.3696, 0.3225)</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(51.2447, 0.3696, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0ACB2
RGB	240, 172, 178
RGB Percent	94%, 67%, 70%
CMY	0.0588, 0.3255, 0.3019
CMYK	0.00, 0.28, 0.26, 0.06
HSL	355°, 69%, 81%
HSV	355°, 28%, 94%
XYZ	58.7288, 51.2447, 48.9248
YIQ	193.0160, 38.6020, 16.2820

# Conversions

## Conversions Part 2

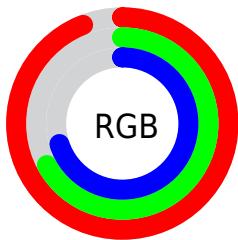
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 172, 178
Decimal	15772850
CIE Lab	76.83, 25.75, 6.86
CIE LCh	77, 26.649, 14.918
Yxy	51.2447, 0.3696, 0.3225
Android (android.graphics.Color)	4293962930 (0xFFFF0ACB2)
YUV	193.0160, -7.4029, 41.2050
Hunter-Lab	71.5854, 21.1673, 9.5882

# Details

The Yxy color **51.2447, 0.3696, 0.3225** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **77.0397, 0.2747, 0.3358**, and the grayscale version is **53.3679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6873, 0.3276, 0.3231**, and **24.7416, 0.3865, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **42.1116, 0.3995, 0.3202**, and if you desaturate by 10%, it is **62.1726, 0.3454, 0.3249**.

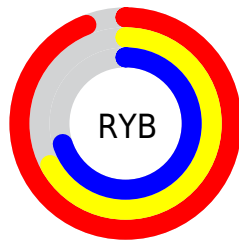
# Distribution



Red (94%)

Green (67%)

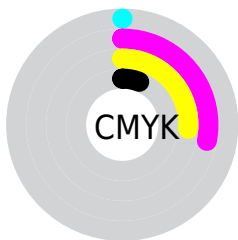
Blue (70%)



Red (94%)

Yellow (67%)

Blue (70%)

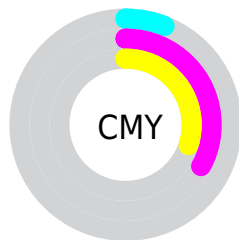


Cyan (0%)

Magenta (28%)

Yellow (26%)

Black (6%)



Cyan (6%)

Magenta (33%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2447, 0.3696, 0.3225 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 51.2447, 0.3696, 0.3225 by changing the saturation by 10% instead.




 51.2447, 0.3696,  
0.3225

 51.2447, 0.3696,  
0.3225


391.5138, 0.3414,  
0.3262

 36.4034, 0.3766,  
0.3215


 92.0164, 0.3594,  
0.3239

 24.7459, 0.3854,  
0.3201


118.7155, 0.3556,  
0.3244

 15.8878, 0.3971,  
0.3182

150.1361, 0.3523,  
0.3248

 9.4448, 0.4133,  
0.3153

186.6624, 0.3495,  
0.3252

 5.0324, 0.4369,  
0.3107

228.6790, 0.3471,  
0.3255

 2.2663, 0.4744,  
0.3023

276.5701, 0.3450,

 0.7558, 0.5696,

0.3257

0.2959

330.7203, 0.3431,  
0.3260

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.2447, 0.3696,  
0.3225

51.2447, 0.3696,  
0.3225

42.1116, 0.3995,  
0.3202

62.1726, 0.3454,  
0.3249

34.6705, 0.4356,  
0.3181

74.9763, 0.3259,  
0.3272

28.8194, 0.4775,  
0.3168

89.7408, 0.3104,  
0.3293

24.4426, 0.5231,  
0.3166

97.2679, 0.3035,  
0.3290

■ 21.4082, 0.5678,  
0.3180

■ 19.5612, 0.6051,  
0.3211

■ 18.6842, 0.6293,  
0.3252

■ 18.5830, 0.6322,  
0.3256

# Harmonies

## Analogous

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



51.2447, 0.3388, 0.2956



51.2447, 0.3696, 0.3225



51.2447, 0.3844, 0.3522

# Triad

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



51.2447, 0.3696, 0.3225



51.2447, 0.3201, 0.3891



51.2447, 0.2502, 0.2774

# Complementary

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



51.2447, 0.3696, 0.3225



77.0397, 0.2747, 0.3358

# 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.



51.2447, 0.2460, 0.2992



51.2447, 0.3696, 0.3225



51.2447, 0.2850, 0.3660

# Square

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



51.2447, 0.3696, 0.3225



51.2447, 0.3545, 0.3928



51.2447, 0.2583, 0.3318



51.2447, 0.2701, 0.2700



# Rectangle

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



51.2447, 0.3696, 0.3225



51.2447, 0.3827, 0.3704



51.2447, 0.2583, 0.3318



51.2447, 0.2470, 0.2832

# Sweetspot

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



51.2471, 0.3696, 0.3225



84.9466, 0.3271, 0.3270



53.1558, 0.3105, 0.2572



17.6983, 0.3298, 0.3267



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.



51.2471, 0.3696, 0.3225



52.5098, 0.3861, 0.3211



62.4474, 0.3670, 0.3589



15.7816, 0.3279, 0.3269



10.1792, 0.6301, 0.3245



0.8545, 0.6076, 0.3121



# Inverse Universe

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



51.2471, 0.3696, 0.3225



52.5098, 0.3861, 0.3211



62.5546, 0.2682, 0.2970



15.7816, 0.3279, 0.3269



10.1792, 0.6301, 0.3245



0.8545, 0.6076, 0.3121



# Previews

## White Background



This preview shows how the Yxy color 51.2447, 0.3696, 0.3225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

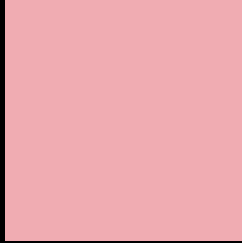
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2447, 0.3696, 0.3225 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 51.2447, 0.3696, 0.3225**

## Background



This preview shows how black text looks on a background with the Yxy color 51.2447, 0.3696, 0.3225.



This preview shows how white text looks on a background with the Yxy color 51.2447, 0.3696, 0.3225.

# 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

51.2447, 0.3696, 0.3225

### Protanopia

51.4524, 0.3184, 0.3315

### Deuteranopia

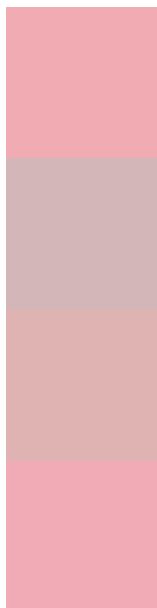
51.2977, 0.3454, 0.3375



## Tritanopia

51.2873, 0.3652, 0.3149

# Trichromacy



## Original Color

51.2447, 0.3696, 0.3225

## Protanomaly

51.1765, 0.3360, 0.3279

## Deuteranomaly

51.1025, 0.3534, 0.3315

## Tritanomaly

51.2040, 0.3671, 0.3171

# Monochromacy



## Original Color

51.2447, 0.3696, 0.3225

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.0304, 0.3316, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2447, 0.3696, 0.3225 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(240, 172, 178)` looks like.

```
.text, #text, p{  
    color:rgb(240, 172, 178)  
}
```

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(240, 172, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 172, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2447, 0.3696, 0.3225 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(240, 172, 178) }
```

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

```
.border{ border-color:rgb(240, 172, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 172, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(240, 172,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2447, 0.3696, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 172, 178) }
```

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

```
.background{ background-color: rgb(240,  
172, 178) }
```

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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