

# Converting Colors

$Yxy(73.4543, 0.3105, 0.3046)$

Have a look what the booklet for  
Yxy(73.4543, 0.3105, 0.3046)  
contains.

<b>Yxy(73.5791, 0.3103, 0.3052)</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(73.5791, 0.3103, 0.3052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD9F0
RGB	235, 217, 240
RGB Percent	92%, 85%, 94%
CMY	0.0783, 0.1490, 0.0588
CMYK	0.02, 0.10, 0.00, 0.06
HSL	287°, 43%, 90%
HSV	287°, 10%, 94%
XYZ	74.8086, 73.5791, 92.6971
YIQ	225.0040, 3.3450, 10.9690

# Conversions

## Conversions Part 2

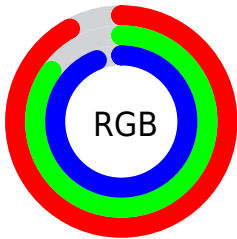
Format	Color
R <sub>Y</sub> B	235, 217, 240
Decimal	15456752
CIE Lab	88.72, 10.25, -9.00
CIE LCh	89, 13.639, 318.731
Yxy	73.5791, 0.3103, 0.3052
Android (android.graphics.Color)	4293646832 (0xFFEBD9F0)
YUV	225.0040, 7.3930, 8.7665
Hunter-Lab	85.7783, 5.5608, -4.0275

# Details

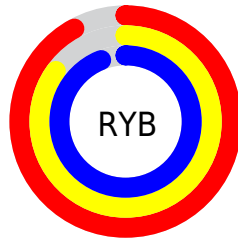
The Yxy color **73.5791, 0.3103, 0.3052** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.8549, 0.3148, 0.3535**, and the grayscale version is **75.2463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.8851, 0.3095, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **61.2264, 0.3072, 0.2792**, and if you desaturate by 10%, it is **87.7629, 0.3128, 0.3300**.

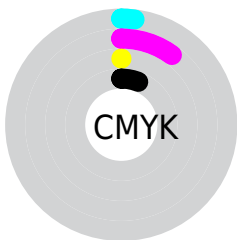
# Distribution



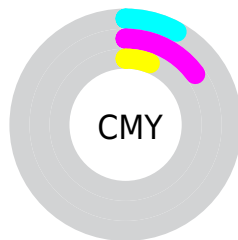
- Red (92%)
- Green (85%)
- Blue (94%)



- Red (92%)
- Yellow (85%)
- Blue (94%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)




- Cyan (8%)
- Magenta (15%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5791, 0.3103, 0.3052 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 73.5791, 0.3103, 0.3052 by changing the saturation by 10% instead.




 73.5791, 0.3103,  
0.3052

 73.5791, 0.3103,  
0.3052

473.0194, 0.3115,  
0.3160

 54.4496, 0.3100,  
0.3028


124.2990, 0.3107,  
0.3089

 38.9612, 0.3096,  
0.2998


156.6581, 0.3109,  
0.3104

 26.7296, 0.3092,  
0.2961


194.1960, 0.3110,  
0.3116

 17.3702, 0.3085,  
0.2913

237.2970, 0.3112,  
0.3127

 10.4988, 0.3076,  
0.2848

286.3454, 0.3113,  
0.3137

 5.7309, 0.3062,  
0.2758

341.7257, 0.3113,

 2.6822, 0.3038,

0.3146

0.2620

403.8222, 0.3114,  
0.3153

0.9681, 0.2991,  
0.2389

0.0000, 0.1961,  
0.0000

73.5791, 0.3103,  
0.3052

73.5791, 0.3103,  
0.3052

61.2264, 0.3072,  
0.2792

87.7629, 0.3128,  
0.3300

50.6180, 0.3036,  
0.2525

97.2964, 0.3154,  
0.3437

41.6736, 0.2993,  
0.2259

98.2446, 0.3187,  
0.3436

34.3035, 0.2945,  
0.2005

99.0713, 0.3214,  
0.3434

■ 28.4089, 0.2891,  
0.1773

■ 23.8800, 0.2835,  
0.1575

■ 20.5914, 0.2776,  
0.1418

■ 18.3940, 0.2718,  
0.1308

■ 17.0482, 0.2661,  
0.1241

# Harmonies

## Analogous

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



73.5791, 0.2949, 0.3014



73.5791, 0.3103, 0.3052



73.5791, 0.3267, 0.3149

# Triad

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



73.5791, 0.3103, 0.3052



73.5791, 0.3416, 0.3531



73.5791, 0.2865, 0.3288

# Complementary

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



73.5791, 0.3103, 0.3052



82.8549, 0.3148, 0.3535

# 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.



73.5791, 0.2985, 0.3437



73.5791, 0.3103, 0.3052



73.5791, 0.3303, 0.3578

# Square

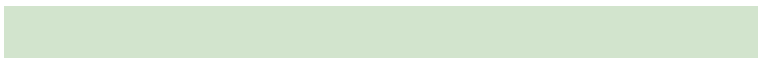
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.5791, 0.3103, 0.3052



73.5791, 0.3451, 0.3422



73.5791, 0.3145, 0.3545



73.5791, 0.2814, 0.3145



# Rectangle

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



73.5791, 0.3103, 0.3052



73.5791, 0.3360, 0.3236



73.5791, 0.3145, 0.3545



73.5791, 0.2898, 0.3339

# Sweetspot

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



73.5823, 0.3103, 0.3052



94.9036, 0.3120, 0.3217



73.2748, 0.2978, 0.3097



20.0288, 0.3118, 0.3197



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.



73.5823, 0.3103, 0.3052



80.7738, 0.3096, 0.2989



74.0601, 0.3182, 0.3120



15.8490, 0.3103, 0.3055



9.3659, 0.2668, 0.1243



0.8214, 0.2742, 0.1284



# Inverse Universe

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



73.4215, 0.3261, 0.3239



80.5569, 0.3300, 0.3225



82.4274, 0.3076, 0.3466



15.8148, 0.3259, 0.3239



10.2921, 0.6030, 0.3095

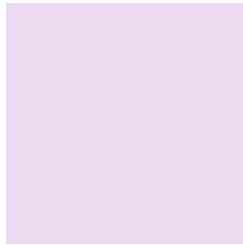


0.8705, 0.5671, 0.2898



# Previews

## White Background



This preview shows how the Yxy color 73.5791, 0.3103, 0.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

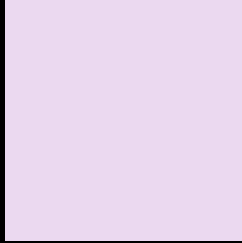
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5791, 0.3103, 0.3052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

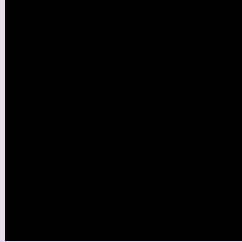
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

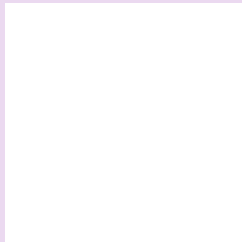
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.5791, 0.3103, 0.3052**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5791, 0.3103, 0.3052.



This preview shows how white text looks on a background with the Yxy color 73.5791, 0.3103, 0.3052.

# 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

73.5791, 0.3103, 0.3052

### Protanopia

73.5561, 0.2986, 0.3057

### Deuteranopia

73.4075, 0.3117, 0.3043



## Tritanopia

73.6334, 0.3128, 0.3113

# Trichromacy



## Original Color

73.5791, 0.3103, 0.3052

## Protanomaly

73.7660, 0.3027, 0.3059

## Deuteranomaly

73.2359, 0.3110, 0.3042

## Tritanomaly

73.7497, 0.3115, 0.3092

# Monochromacy



## Original Color

73.5791, 0.3103, 0.3052

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.6137, 0.3124, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5791, 0.3103, 0.3052 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(235, 217, 240)` looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 240)  
}
```

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(235, 217, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5791, 0.3103, 0.3052 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(235, 217, 240) }
```

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

```
.border{ border-color:rgb(235, 217, 240) }
```

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

Here you see how a box with a 4 pixel rgb(235, 217, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 240);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5791, 0.3103, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 240) }
```

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

```
.background{ background-color: rgb(235,  
217, 240) }
```

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