

Converting Colors

$Y_{xy}(40.4243, 0.3387, 0.2635)$

Have a look what the booklet for
Yxy(40.4243, 0.3387, 0.2635)
contains.

Yxy(40.3795, 0.3392, 0.2634)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.3795, 0.3392, 0.2634)

Conversions

Conversions Part 1

Format	Color
Hex	E290CA
RGB	226, 144, 202
RGB Percent	89%, 56%, 79%
CMY	0.1137, 0.4353, 0.2079
CMYK	0.00, 0.36, 0.11, 0.11
HSL	318°, 59%, 73%
HSV	318°, 36%, 89%
XYZ	51.9997, 40.3795, 60.9218
YIQ	175.1300, 30.2540, 35.4220

Conversions

Conversions Part 2

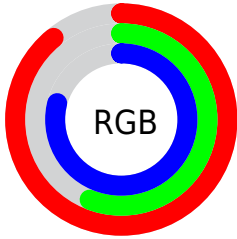
Format	Color
R _Y B	226, 144, 202
Decimal	14848202
CIE Lab	69.74, 39.37, -16.98
CIE LCh	70, 42.878, 336.674
Yxy	40.3795, 0.3392, 0.2634
Android (android.graphics.Color)	4293038282 (0xFFE290CA)
YUV	175.1300, 13.2469, 44.6130
Hunter-Lab	63.5449, 34.8657, -12.3612

Details

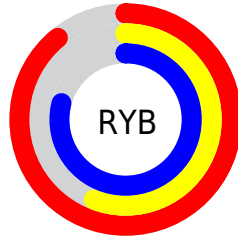
The Yxy color $40.3795, 0.3392, 0.2634$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $63.1580, 0.2938, 0.4055$, and the grayscale version is $42.8598, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.3268, 0.3153, 0.2742$, and $18.2274, 0.3453, 0.2465$ is the 20% darker color. If you saturate the color by 10%, you get $33.8997, 0.3491, 0.2458$, and if you desaturate by 10%, it is $48.2469, 0.3304, 0.2818$.

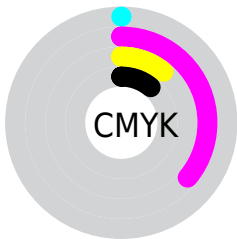
Distribution



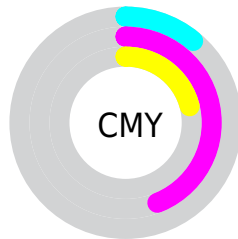
- Red (89%)
- Green (56%)
- Blue (79%)



- Red (89%)
- Yellow (56%)
- Blue (79%)



- Cyan (0%)
- Magenta (36%)
- Yellow (11%)
- Black (11%)





- Cyan (11%)
- Magenta (44%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3795, 0.3392, 0.2634 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 40.3795, 0.3392, 0.2634 by changing the saturation by 10% instead.


 40.3795, 0.3392,
0.2634


 40.3795, 0.3392,
0.2634


347.7205, 0.3265,
0.2951

 27.8346, 0.3422,
0.2558


 75.7411, 0.3347,
0.2747

 18.2010, 0.3459,
0.2463


 99.3265, 0.3330,
0.2790

 11.0944, 0.3507,
0.2341


127.3608, 0.3315,
0.2826

 6.1304, 0.3571,
0.2176

160.2285, 0.3303,
0.2858

 2.9245, 0.3660,
0.1945

198.3139, 0.3291,
0.2886

 1.0924, 0.3788,
0.1602

242.0015, 0.3282,


 0.0000, 0.4451,


0.2910

0.0000


291.6755, 0.3273,
0.2932


 0.0000, 0.0000,
0.0000


 40.3795, 0.3392,
0.2634

 40.3795, 0.3392,
0.2634


 33.8997, 0.3491,
0.2458

 48.2469, 0.3304,
0.2818

 28.7194, 0.3602,
0.2300


 57.5719, 0.3228,
0.3002

 24.7495, 0.3720,
0.2170

 68.4264, 0.3163,
0.3181

 21.8867, 0.3844,
0.2079

 80.8759, 0.3108,
0.3352

 20.0107, 0.3968,
0.2036

 93.6947, 0.3062,
0.3493

■ 18.9711, 0.4089,
0.2041

■ 94.0848, 0.3025,
0.3424

■ 18.7021, 0.4134,
0.2051

■ 94.4893, 0.2988,
0.3357

■ 94.9084, 0.2952,
0.3290

■ 94.9111, 0.2952,
0.3289

Harmonies

Analogous

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



40.3795, 0.2766, 0.2380



40.3795, 0.3392, 0.2634



40.3795, 0.3994, 0.3030

Triad

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



40.3795, 0.3392, 0.2634



40.3795, 0.3958, 0.4338



40.3795, 0.2045, 0.2884

Complementary

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



40.3795, 0.3392, 0.2634



63.1580, 0.2938, 0.4055

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.



40.3795, 0.2301, 0.3495



40.3795, 0.3392, 0.2634



40.3795, 0.3393, 0.4428

Square

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



40.3795, 0.3392, 0.2634



40.3795, 0.4320, 0.3972



40.3795, 0.2786, 0.4110



40.3795, 0.2045, 0.2477

Rectangle

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



40.3795, 0.3392, 0.2634



40.3795, 0.4267, 0.3340



40.3795, 0.2786, 0.4110



40.3795, 0.2102, 0.3071

Sweetspot

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



40.3813, 0.3392, 0.2634



82.8728, 0.3193, 0.3096



33.6798, 0.2651, 0.2249



17.3242, 0.3202, 0.3072



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.



40.3813, 0.3392, 0.2634



46.1258, 0.3471, 0.2492



38.7182, 0.3810, 0.3083



13.8636, 0.3182, 0.3126



10.6897, 0.4116, 0.2041



0.7564, 0.3943, 0.1946

Inverse Universe

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



40.3813, 0.3392, 0.2634



46.1258, 0.3471, 0.2492



64.8959, 0.2713, 0.3513



13.8636, 0.3182, 0.3126



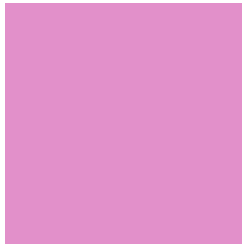
10.6897, 0.4116, 0.2041



0.7564, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 40.3795, 0.3392, 0.2634 looks on a white background.

Color Contrast Check

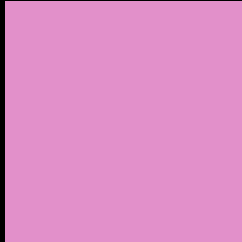
Large Text (above 18pt) WCAG AA × Fail

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 40.3795, 0.3392, 0.2634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

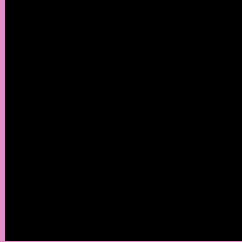
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3795, 0.3392, 0.2634

Background



This preview shows how black text looks on a background with the Yxy color 40.3795, 0.3392, 0.2634.



This preview shows how white text looks on a background with the Yxy color 40.3795, 0.3392, 0.2634.

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

40.3795, 0.3392, 0.2634

Protanopia

40.7595, 0.2658, 0.2637

Deuteranopia

40.7133, 0.2935, 0.2882



Tritanopia

40.1497, 0.3724, 0.3148

Trichromacy



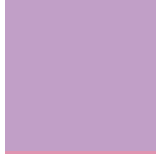
Original Color

40.3795, 0.3392, 0.2634



Protanomaly

40.0130, 0.2893, 0.2624



Deuteranomaly

40.2573, 0.3095, 0.2788



Tritanomaly

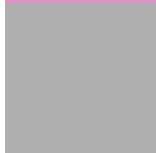
40.0421, 0.3607, 0.2950

Monochromacy



Original Color

40.3795, 0.3392, 0.2634



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.5230, 0.3223, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3795, 0.3392, 0.2634 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(226, 144, 202)` looks like.

```
.text, #text, p{  
    color:rgb(226, 144, 202)  
}
```

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(226, 144, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 144, 202) }
```

Border

The CSS property to change the border of an element to Yxy 40.3795, 0.3392, 0.2634 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(226, 144, 202) }
```

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

```
.border{ border-color:rgb(226, 144, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 144, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 144, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 144, 202);  
box-shadow:4px 4px 4px 4px rgb(226, 144,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3795, 0.3392, 0.2634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 144, 202) }
```

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

```
.background{ background-color: rgb(226,  
144, 202) }
```

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