

Converting Colors

$Y_{xy}(34.5816, 0.3891, 0.2851)$

Have a look what the booklet for
Yxy(34.5816, 0.3891, 0.2851)
contains.

Yxy(34.5910, 0.3893, 0.2858)	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(34.5910, 0.3893, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	E77EA4
RGB	231, 126, 164
RGB Percent	91%, 49%, 64%
CMY	0.0941, 0.5059, 0.3568
CMYK	0.00, 0.45, 0.29, 0.09
HSL	338°, 69%, 70%
HSV	338°, 45%, 91%
XYZ	47.1178, 34.5910, 39.3234
YIQ	161.7270, 50.3820, 34.0780

Conversions

Conversions Part 2

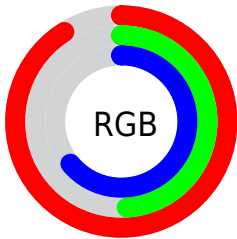
Format	Color
R_{YB}	231, 126, 164
Decimal	15171236
CIE _{Lab}	65.43, 44.73, -2.03
CIE _{LCh}	65, 44.777, 357.398
Yxy	34.5910, 0.3893, 0.2858
Android (android.graphics.Color)	4293361316 (0xFFE77EA4)
YUV	161.7270, 1.1206, 60.7524
Hunter-Lab	58.8141, 40.0773, 1.5283

Details

The Yxy color **34.5910, 0.3893, 0.2858** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **65.4373, 0.2708, 0.3786**, and the grayscale version is **35.9754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4222, 0.3446, 0.2902**, and **14.8192, 0.4146, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **28.8493, 0.4161, 0.2776**, and if you desaturate by 10%, it is **41.7616, 0.3665, 0.2953**.

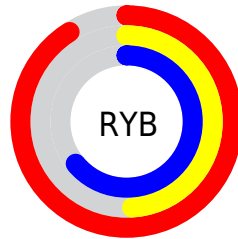
Distribution



Red (91%)

Green (49%)

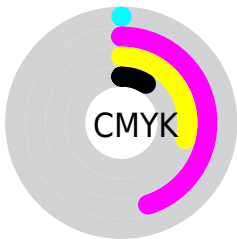
Blue (64%)



Red (91%)

Yellow (49%)

Blue (64%)

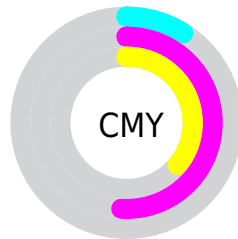


Cyan (0%)

Magenta (45%)

Yellow (29%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5910, 0.3893, 0.2858 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 34.5910, 0.3893, 0.2858 by changing the saturation by 10% instead.

 34.5910, 0.3893,
0.2858


 34.5910, 0.3893,
0.2858


322.7593, 0.3494,
0.3081


 23.3480, 0.3998,
0.2800


 66.8517, 0.3744,
0.2941

 14.8507, 0.4136,
0.2724


 88.6381, 0.3689,
0.2972

 8.7146, 0.4324,
0.2621


 114.7079, 0.3643,
0.2997

 4.5555, 0.4597,
0.2473

145.4452, 0.3604,
0.3019

 1.9889, 0.5024,
0.2246

181.2347, 0.3571,
0.3038

 0.6010, 0.5837,
0.1790

222.4606, 0.3542,

 0.0000, 1.0000,

0.3054

0.0000

269.5073, 0.3516,
0.3069

■ 0.0000, 0.0000,
0.0000

■ 34.5910, 0.3893,
0.2858

■ 34.5910, 0.3893,
0.2858

■ 28.8493, 0.4161,
0.2776

■ 41.7616, 0.3665,
0.2953

■ 24.4341, 0.4464,
0.2717

■ 50.4440, 0.3474,
0.3051

■ 21.2374, 0.4793,
0.2694

■ 60.7209, 0.3316,
0.3149

■ 19.1318, 0.5125,
0.2718

■ 72.6675, 0.3187,
0.3242

■ 17.9609, 0.5435,
0.2795

■ 86.3540, 0.3082,
0.3329

■ 17.6233, 0.5566,
0.2840

■ 95.5650, 0.2996,
0.3315

■ 95.7289, 0.2982,
0.3290

Harmonies

Analogous

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



34.5910, 0.3193, 0.2473



34.5910, 0.3893, 0.2858



34.5910, 0.4389, 0.3347

Triad

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



34.5910, 0.3893, 0.2858



34.5910, 0.3613, 0.4558



34.5910, 0.1923, 0.2506

Complementary

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



34.5910, 0.3893, 0.2858



65.4373, 0.2708, 0.3786

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.



34.5910, 0.2005, 0.3026



34.5910, 0.3893, 0.2858



34.5910, 0.2946, 0.4359

Square

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



34.5910, 0.3893, 0.2858



34.5910, 0.4184, 0.4326



34.5910, 0.2362, 0.3740



34.5910, 0.2108, 0.2257

Rectangle

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



34.5910, 0.3893, 0.2858



34.5910, 0.4502, 0.3695



34.5910, 0.2362, 0.3740



34.5910, 0.1920, 0.2649

Sweetspot

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



34.5927, 0.3893, 0.2858



77.9187, 0.3297, 0.3162



31.9644, 0.2819, 0.2060



16.0300, 0.3328, 0.3141



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.



34.5927, 0.3893, 0.2858



36.2004, 0.4156, 0.2777



37.2526, 0.4274, 0.3454



14.4538, 0.3236, 0.3205



9.9016, 0.5524, 0.2817



0.7490, 0.5122, 0.2595

Inverse Universe

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



34.5927, 0.3893, 0.2858



36.2004, 0.4156, 0.2777



59.8314, 0.2488, 0.3111



14.4538, 0.3236, 0.3205



9.9016, 0.5524, 0.2817



0.7490, 0.5122, 0.2595

Previews

White Background



This preview shows how the Yxy color 34.5910, 0.3893, 0.2858 looks on a white background.

Color Contrast Check

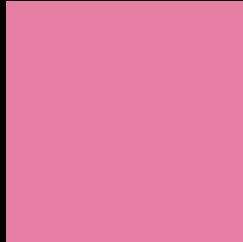
Large Text (above 18pt) WCAG AA × Fail

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 34.5910, 0.3893, 0.2858 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 34.5910, 0.3893, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 34.5910, 0.3893, 0.2858.



This preview shows how white text looks on a background with the Yxy color 34.5910, 0.3893, 0.2858.

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

34.5910, 0.3893, 0.2858

Protanopia

34.8830, 0.2877, 0.2918

Deuteranopia

34.7284, 0.3291, 0.3220



Tritanopia

34.5167, 0.4145, 0.3177

Trichromacy



Original Color

34.5910, 0.3893, 0.2858

Protanomaly

33.7994, 0.3207, 0.2872

Deuteranomaly

34.1218, 0.3497, 0.3066

Tritanomaly

34.6934, 0.4051, 0.3062

Monochromacy



Original Color

34.5910, 0.3893, 0.2858

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.7040, 0.3382, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5910, 0.3893, 0.2858 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, 126, 164)` looks like.

```
.text, #text, p{  
    color:rgb(231, 126, 164)  
}
```

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, 126, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 126, 164) }
```

Border

The CSS property to change the border of an element to Yxy 34.5910, 0.3893, 0.2858 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, 126, 164) }
```

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

```
.border{ border-color:rgb(231, 126, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 126, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 126, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 126, 164);  
box-shadow:4px 4px 4px 4px rgb(231, 126,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5910, 0.3893, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 126, 164) }
```

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

```
.background{ background-color: rgb(231,  
126, 164) }
```

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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