

Converting Colors

$Y_{xy}(34.8322, 0.3751, 0.2595)$

Have a look what the booklet for
Yxy(34.8322, 0.3751, 0.2595)
contains.

Yxy(34.7897, 0.3760, 0.2595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.7897, 0.3760, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	EE77B7
RGB	238, 119, 183
RGB Percent	93%, 47%, 72%
CMY	0.0666, 0.5334, 0.2823
CMYK	0.00, 0.50, 0.23, 0.07
HSL	328°, 78%, 70%
HSV	328°, 50%, 93%
XYZ	50.4082, 34.7897, 48.8665
YIQ	161.8770, 50.3800, 45.1320

Conversions

Conversions Part 2

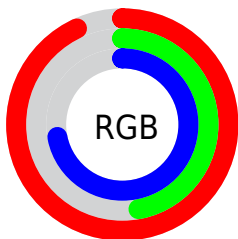
Format	Color
R _Y B	238, 119, 183
Decimal	15628215
CIE Lab	65.58, 53.06, -12.46
CIE LCh	66, 54.509, 346.784
Yxy	34.7897, 0.3760, 0.2595
Android (android.graphics.Color)	4293818295 (0xFFEE77B7)
YUV	161.8770, 10.4136, 66.7599
Hunter-Lab	58.9828, 49.3308, -7.8330

Details

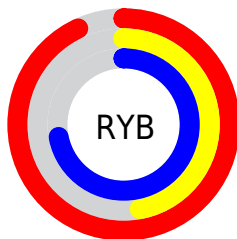
The Yxy color **34.7897, 0.3760, 0.2595** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **68.1335, 0.2782, 0.4136**, and the grayscale version is **36.0041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7641, 0.3290, 0.2641**, and **14.9760, 0.3940, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **29.3780, 0.3953, 0.2480**, and if you desaturate by 10%, it is **41.6589, 0.3589, 0.2729**.

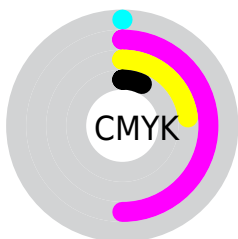
Distribution



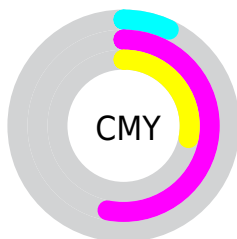
- Red (93%)
- Green (47%)
- Blue (72%)



- Red (93%)
- Yellow (47%)
- Blue (72%)



- Cyan (0%)
- Magenta (50%)
- Yellow (23%)
- Black (7%)




- Cyan (7%)
- Magenta (53%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7897, 0.3760, 0.2595 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 34.7897, 0.3760, 0.2595 by changing the saturation by 10% instead.

 34.7897, 0.3760,
0.2595


 34.7897, 0.3760,
0.2595


323.6391, 0.3439,
0.2939

 23.5009, 0.3841,
0.2511


 67.1599, 0.3642,
0.2719

 14.9638, 0.3946,
0.2403


 89.0100, 0.3599,
0.2766

 8.7940, 0.4087,
0.2262


 115.1494, 0.3562,
0.2806

 4.6071, 0.4284,
0.2070

145.9625, 0.3530,
0.2840

 2.0186, 0.4579,
0.1795

181.8336, 0.3503,
0.2870

 0.6183, 0.5091,
0.1327

223.1471, 0.3479,

 0.0000, 0.7102,

0.2896


0.0000

270.2875, 0.3458,
0.2919


 0.0000, 0.0000,
0.0000


 34.7897, 0.3760,
0.2595


 34.7897, 0.3760,
0.2595


 29.3780, 0.3953,
0.2480

 41.6589, 0.3589,
0.2729


 25.3098, 0.4165,
0.2397


 50.0780, 0.3443,
0.2872


 22.4626, 0.4389,
0.2358

 60.1377, 0.3318,
0.3016

 20.6887, 0.4613,
0.2371

 71.9204, 0.3214,
0.3156

 19.7386, 0.4830,
0.2434

 85.5027, 0.3127,
0.3290

■ 96.5392, 0.3057,
0.3349

■ 96.9193, 0.3023,
0.3290

Harmonies

Analogous

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



34.7897, 0.2901, 0.2214



34.7897, 0.3760, 0.2595



34.7897, 0.4495, 0.3123

Triad

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



34.7897, 0.3760, 0.2595



34.7897, 0.3946, 0.4763



34.7897, 0.1708, 0.2516

Complementary

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



34.7897, 0.3760, 0.2595



68.1335, 0.2782, 0.4136

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.



34.7897, 0.1904, 0.3243



34.7897, 0.3760, 0.2595



34.7897, 0.3166, 0.4773

Square

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



34.7897, 0.3760, 0.2595



34.7897, 0.4552, 0.4314



34.7897, 0.2418, 0.4156



34.7897, 0.1816, 0.2129

Rectangle

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



34.7897, 0.3760, 0.2595



34.7897, 0.4749, 0.3517



34.7897, 0.2418, 0.4156



34.7897, 0.1738, 0.2721

Sweetspot

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



34.7914, 0.3760, 0.2595



76.8904, 0.3264, 0.3086



28.1997, 0.2583, 0.1860



15.8441, 0.3287, 0.3056



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.



34.7914, 0.3760, 0.2595



34.2361, 0.3958, 0.2478



32.8511, 0.4478, 0.3229



15.9010, 0.3209, 0.3164



11.0373, 0.4798, 0.2417



0.9383, 0.4531, 0.2270

Inverse Universe

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



34.7914, 0.3760, 0.2595



34.2361, 0.3958, 0.2478



70.9075, 0.2501, 0.3361



15.9010, 0.3209, 0.3164



11.0373, 0.4798, 0.2417



0.9383, 0.4531, 0.2270

Previews

White Background



This preview shows how the Yxy color 34.7897, 0.3760, 0.2595 looks on a white background.

Color Contrast Check

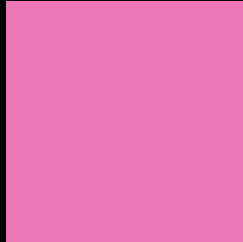
Large Text (above 18pt) WCAG AA × Fail

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 34.7897, 0.3760, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

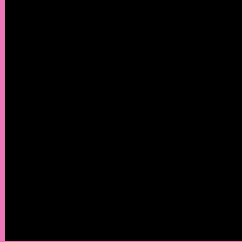
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7897, 0.3760, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 34.7897, 0.3760, 0.2595.



This preview shows how white text looks on a background with the Yxy color 34.7897, 0.3760, 0.2595.

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

34.7897, 0.3760, 0.2595

Protanopia

35.2179, 0.2610, 0.2574

Deuteranopia

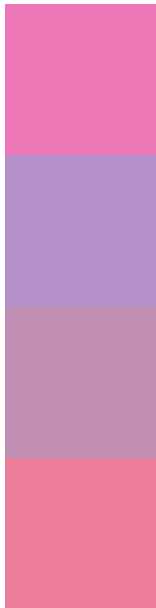
34.8325, 0.3046, 0.2980



Tritanopia

34.7657, 0.4230, 0.3180

Trichromacy



Original Color

34.7897, 0.3760, 0.2595

Protanomaly

33.7004, 0.2959, 0.2557

Deuteranomaly

33.9381, 0.3294, 0.2808

Tritanomaly

34.6625, 0.4059, 0.2966

Monochromacy



Original Color

34.7897, 0.3760, 0.2595

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.4072, 0.3348, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7897, 0.3760, 0.2595 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(238, 119, 183)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 183)  
}
```

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(238, 119, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 183) }
```

Border

The CSS property to change the border of an element to Yxy 34.7897, 0.3760, 0.2595 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(238, 119, 183) }
```

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

```
.border{ border-color:rgb(238, 119, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 183);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7897, 0.3760, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 183) }
```

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

```
.background{ background-color: rgb(238,  
119, 183) }
```

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