

Converting Colors

$Y_{xy}(34.7757, 0.3313, 0.2303)$

Have a look what the booklet for
Yxy(34.7757, 0.3313, 0.2303)
contains.

Yxy(34.6801, 0.3306, 0.2298)	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(34.6801, 0.3306, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	E17AD4
RGB	225, 122, 212
RGB Percent	88%, 48%, 83%
CMY	0.1177, 0.5215, 0.1687
CMYK	0.00, 0.46, 0.06, 0.12
HSL	308°, 63%, 68%
HSV	308°, 46%, 88%
XYZ	49.8923, 34.6801, 66.3419
YIQ	163.0570, 32.4980, 49.8260

Conversions

Conversions Part 2

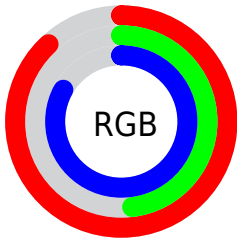
Format	Color
R _{YB}	225, 122, 212
Decimal	14777044
CIE Lab	65.50, 52.05, -29.04
CIE LCh	65, 59.601, 330.843
Yxy	34.6801, 0.3306, 0.2298
Android (android.graphics.Color)	4292967124 (0xFFE17AD4)
YUV	163.0570, 24.1289, 54.3240
Hunter-Lab	58.8898, 48.1705, -25.5699

Details

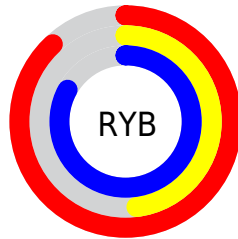
The Yxy color $34.6801, 0.3306, 0.2298$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $59.7375, 0.2992, 0.4544$, and the grayscale version is $36.5281, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.9243, 0.3163, 0.2527$, and $14.8934, 0.3343, 0.2049$ is the 20% darker color. If you saturate the color by 10%, you get $29.6386, 0.3354, 0.2111$, and if you desaturate by 10%, it is $41.0062, 0.3260, 0.2506$.

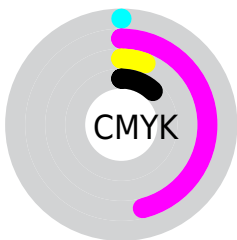
Distribution



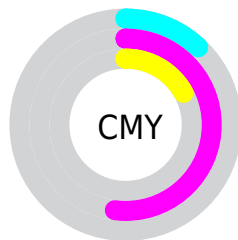
- Red (88%)
- Green (48%)
- Blue (83%)



- Red (88%)
- Yellow (48%)
- Blue (83%)



- Cyan (0%)
- Magenta (46%)
- Yellow (6%)
- Black (12%)



- Cyan (12%)
- Magenta (52%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6801, 0.3306, 0.2298 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 34.6801, 0.3306, 0.2298 by changing the saturation by 10% instead.


 34.6801, 0.3306,
0.2298


 34.6801, 0.3306,
0.2298


323.1541, 0.3231,
0.2772


 23.4166, 0.3320,
0.2187


 66.9899, 0.3282,
0.2465

 14.9014, 0.3336,
0.2050


 88.8049, 0.3272,
0.2529

 8.7502, 0.3353,
0.1875


 114.9059, 0.3263,
0.2584

 4.5786, 0.3369,
0.1647

145.6773, 0.3255,
0.2631

 2.0022, 0.3377,
0.1342

181.5034, 0.3248,
0.2673

 0.6088, 0.3367,
0.0889

222.7686, 0.3242,

 0.0000, 0.3342,

0.2710

0.0000

269.8574, 0.3236,
0.2743

0.0000, 0.0000,
0.0000

34.6801, 0.3306,
0.2298

34.6801, 0.3306,
0.2298

29.6386, 0.3354,
0.2111

41.0062, 0.3260,
0.2506

25.7874, 0.3404,
0.1956

48.6932, 0.3218,
0.2726

23.0270, 0.3452,
0.1839


57.8169, 0.3179,
0.2948


21.2398, 0.3499,
0.1767

68.4461, 0.3145,
0.3167

20.2804, 0.3543,
0.1739

80.6454, 0.3115,
0.3378

 20.0187, 0.3561,
0.1735

 93.1867, 0.3090,
0.3556

 93.3469, 0.3074,
0.3527

 93.5096, 0.3058,
0.3497

 93.6750, 0.3042,
0.3467

Harmonies

Analogous

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



34.6801, 0.2449, 0.2006



34.6801, 0.3306, 0.2298



34.6801, 0.4237, 0.2786

Triad

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



34.6801, 0.3306, 0.2298



34.6801, 0.4385, 0.4648



34.6801, 0.1666, 0.2811

Complementary

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



34.6801, 0.3306, 0.2298



59.7375, 0.2992, 0.4544

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.



34.6801, 0.2051, 0.3769



34.6801, 0.3306, 0.2298



34.6801, 0.3611, 0.4992

Square

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



34.6801, 0.3306, 0.2298



34.6801, 0.4868, 0.4036



34.6801, 0.2757, 0.4692



34.6801, 0.1618, 0.2205

Rectangle

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



34.6801, 0.3306, 0.2298



34.6801, 0.4700, 0.3180



34.6801, 0.2757, 0.4692



34.6801, 0.1755, 0.3100

Sweetspot

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



34.6817, 0.3306, 0.2298



79.0126, 0.3173, 0.2985



24.4283, 0.2353, 0.1891



16.2971, 0.3181, 0.2937



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.



34.6817, 0.3306, 0.2298



39.5953, 0.3352, 0.2118



32.5194, 0.3872, 0.2831



13.9043, 0.3157, 0.3088



11.5480, 0.3555, 0.1732



0.8089, 0.3494, 0.1698

Inverse Universe

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



34.6817, 0.3306, 0.2298



39.5953, 0.3352, 0.2118



61.5123, 0.2718, 0.3820



13.9043, 0.3157, 0.3088



11.5480, 0.3555, 0.1732



0.8089, 0.3494, 0.1698

Previews

White Background



This preview shows how the Yxy color 34.6801, 0.3306, 0.2298 looks on a white background.

Color Contrast Check

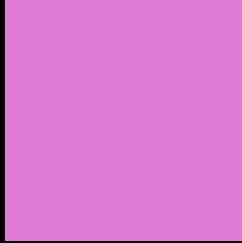
Large Text (above 18pt) WCAG AA × Fail

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 34.6801, 0.3306, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

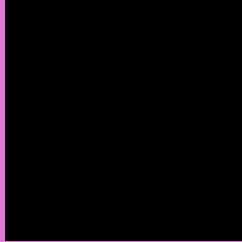
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6801, 0.3306, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 34.6801, 0.3306, 0.2298.



This preview shows how white text looks on a background with the Yxy color 34.6801, 0.3306, 0.2298.

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

34.6801, 0.3306, 0.2298

Protanopia

35.1712, 0.2332, 0.2217

Deuteranopia

35.0542, 0.2668, 0.2614



Tritanopia

34.4666, 0.3910, 0.3157

Trichromacy



Original Color

34.6801, 0.3306, 0.2298



Protanomaly

33.6030, 0.2612, 0.2214



Deuteranomaly

33.8477, 0.2873, 0.2462



Tritanomaly

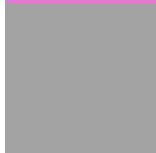
34.3885, 0.3682, 0.2815

Monochromacy



Original Color

34.6801, 0.3306, 0.2298



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.9551, 0.3198, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6801, 0.3306, 0.2298 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(225, 122, 212)` looks like.

```
.text, #text, p{  
    color:rgb(225, 122, 212)  
}
```

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(225, 122, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 122, 212) }
```

Border

The CSS property to change the border of an element to Yxy 34.6801, 0.3306, 0.2298 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(225, 122, 212) }
```

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

```
.border{ border-color:rgb(225, 122, 212) }
```

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

Here you see how a box with a 4 pixel rgb(225, 122, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 122, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 122, 212);  
box-shadow:4px 4px 4px 4px rgb(225, 122,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6801, 0.3306, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 122, 212) }
```

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

```
.background{ background-color: rgb(225,  
122, 212) }
```

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