

Converting Colors

$Y_{xy}(33.9998, 0.3294, 0.2075)$

Have a look what the booklet for
Yxy(33.9998, 0.3294, 0.2075)
contains.

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Color

Yxy(34.0109, 0.3295, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	ED6BE2
RGB	237, 107, 226
RGB Percent	93%, 42%, 89%
CMY	0.0707, 0.5803, 0.1137
CMYK	0.00, 0.55, 0.05, 0.07
HSL	305°, 78%, 67%
HSV	305°, 55%, 93%
XYZ	53.9038, 34.0109, 75.6779
YIQ	159.4360, 39.2810, 64.5690

Conversions

Conversions Part 2

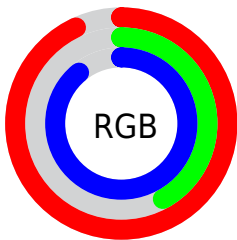
Format	Color
R _Y B	237, 107, 226
Decimal	15559650
CIE Lab	64.97, 64.86, -37.55
CIE LCh	65, 74.944, 329.927
Yxy	34.0109, 0.3295, 0.2079
Android (android.graphics.Color)	4293749730 (0xFFED6BE2)
YUV	159.4360, 32.8161, 68.0236
Hunter-Lab	58.3189, 62.9284, -36.1149

Details

The Yxy color **34.0109, 0.3295, 0.2079** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **64.9886, 0.2997, 0.4916**, and the grayscale version is **34.7181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **14.4812, 0.3310, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **29.6193, 0.3330, 0.1915**, and if you desaturate by 10%, it is **39.7606, 0.3260, 0.2274**.

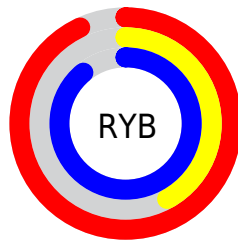
Distribution



Red (93%)

Green (42%)

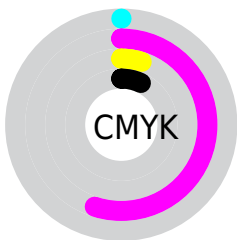
Blue (89%)



Red (93%)

Yellow (42%)

Blue (89%)

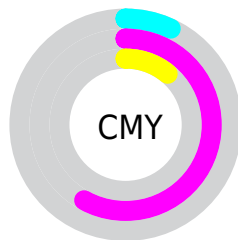


Cyan (0%)

Magenta (55%)

Yellow (5%)

Black (7%)



Cyan (7%)


Magenta (58%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0109, 0.3295, 0.2079 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 34.0109, 0.3295, 0.2079 by changing the saturation by 10% instead.


 34.0109, 0.3295,
0.2079


 34.0109, 0.3295,
0.2079


320.1807, 0.3235,
0.2642


 22.9020, 0.3303,
0.1952


 65.9506, 0.3278,
0.2274


 14.5211, 0.3310,
0.1797


 87.5502, 0.3270,
0.2350

 8.4840, 0.3314,
0.1605


 113.4155, 0.3263,
0.2415

 4.4062, 0.3309,
0.1362

 143.9308, 0.3257,
0.2472

 1.9033, 0.3282,
0.1053

179.4806, 0.3250,
0.2523

 0.5503, 0.3216,
0.0622

220.4492, 0.3245,

 0.0000, 0.3044,

0.2567

0.0000

267.2211, 0.3240,
0.2607

■ 0.0000, 0.0023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0109, 0.3295,
0.2079

■ 34.0109, 0.3295,
0.2079

■ 29.6193, 0.3330,
0.1915

■ 39.7606, 0.3260,
0.2274

■ 26.4675, 0.3363,
0.1791

■ 46.9645, 0.3227,
0.2491


■ 24.4253, 0.3395,
0.1711


■ 55.7151, 0.3195,
0.2721


■ 23.3309, 0.3423,
0.1674

■ 66.0963, 0.3165,
0.2953


 23.0082, 0.3437,
0.1667

 78.1857, 0.3139,
0.3182

 92.0561, 0.3115,
0.3402

 95.8117, 0.3101,
0.3439

 95.9312, 0.3090,
0.3419

 96.0521, 0.3079,
0.3399

Harmonies

Analogous

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



34.0109, 0.2257, 0.1750



34.0109, 0.3295, 0.2079



34.0109, 0.4490, 0.2635

Triad

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



34.0109, 0.3295, 0.2079



34.0109, 0.4619, 0.4856



34.0109, 0.1373, 0.2680

Complementary

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



34.0109, 0.3295, 0.2079



64.9886, 0.2997, 0.4916

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.



34.0109, 0.1807, 0.3926



34.0109, 0.3295, 0.2079



34.0109, 0.3671, 0.5426

Square

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



34.0109, 0.3295, 0.2079



34.0109, 0.5253, 0.4067



34.0109, 0.2647, 0.5159



34.0109, 0.1326, 0.1962

Rectangle

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



34.0109, 0.3295, 0.2079



34.0109, 0.5087, 0.3083



34.0109, 0.2647, 0.5159



34.0109, 0.1471, 0.3043

Sweetspot

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



34.0125, 0.3295, 0.2079



76.4546, 0.3169, 0.2925



20.4757, 0.2136, 0.1562



15.7981, 0.3175, 0.2877



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.



34.0125, 0.3295, 0.2079



34.3664, 0.3335, 0.1895



31.1005, 0.4052, 0.2703



15.2906, 0.3151, 0.3077



12.5744, 0.3433, 0.1665



0.9939, 0.3398, 0.1646

Inverse Universe

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



34.0125, 0.3295, 0.2079



34.3664, 0.3335, 0.1895



67.0924, 0.2683, 0.4011



15.2906, 0.3151, 0.3077



12.5744, 0.3433, 0.1665



0.9939, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 34.0109, 0.3295, 0.2079 looks on a white background.

Color Contrast Check

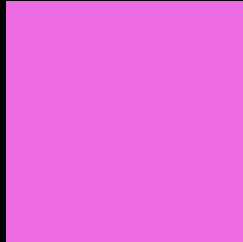
Large Text (above 18pt) WCAG AA × Fail

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 34.0109, 0.3295, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

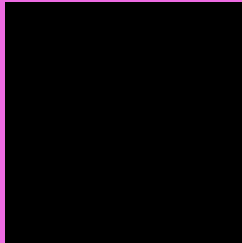
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0109, 0.3295, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 34.0109, 0.3295, 0.2079.

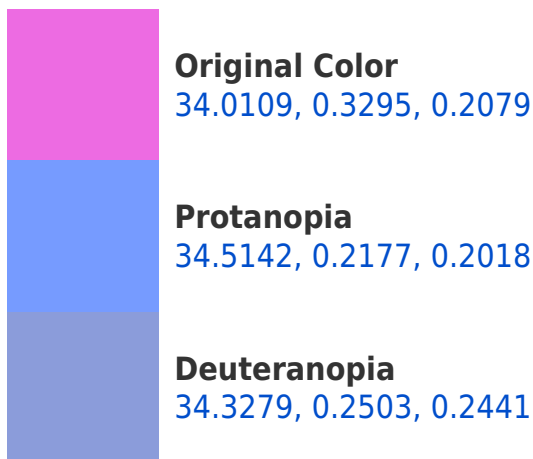


This preview shows how white text looks on a background with the Yxy color 34.0109, 0.3295, 0.2079.

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





Tritanopia

33.8955, 0.4140, 0.3176

Trichromacy



Original Color

34.0109, 0.3295, 0.2079



Protanomaly

32.2857, 0.2475, 0.1992



Deuteranomaly

32.5114, 0.2748, 0.2244



Tritanomaly

33.6039, 0.3824, 0.2726

Monochromacy



Original Color

34.0109, 0.3295, 0.2079



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7399, 0.3195, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0109, 0.3295, 0.2079 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(237, 107, 226)` looks like.

```
.text, #text, p{  
    color:rgb(237, 107, 226)  
}
```

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(237, 107, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 107, 226) }
```

Border

The CSS property to change the border of an element to Yxy 34.0109, 0.3295, 0.2079 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(237, 107, 226) }
```

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

```
.border{ border-color:rgb(237, 107, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 107, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 107, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 107, 226); box-shadow:4px 4px 4px 4px rgb(237, 107, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0109, 0.3295, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 107, 226) }
```

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

```
.background{ background-color: rgb(237,  
107, 226) }
```

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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