

# Converting Colors

Yxy(33.9800, 0.3443, 0.2408)

Have a look what the booklet for  
Yxy(33.9800, 0.3443, 0.2408)  
contains.

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# Color

**Yxy(34.0136, 0.3442, 0.2407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E279C8
RGB	226, 121, 200
RGB Percent	89%, 47%, 78%
CMY	0.1135, 0.5256, 0.2156
CMYK	0.00, 0.46, 0.12, 0.11
HSL	315°, 64%, 68%
HSV	315°, 46%, 89%
XYZ	48.6393, 34.0136, 58.6583
YIQ	161.4010, 37.2210, 46.8290

# Conversions

## Conversions Part 2

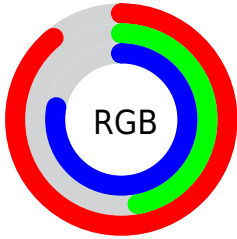
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 121, 200
Decimal	14842312
CIE Lab	64.97, 50.91, -23.13
CIE LCh	65, 55.916, 335.568
Yxy	34.0136, 0.3442, 0.2407
Android (android.graphics.Color)	4293032392 (0xFFE279C8)
YUV	161.4010, 19.0293, 56.6533
Hunter-Lab	58.3212, 46.8052, -18.8079

# Details

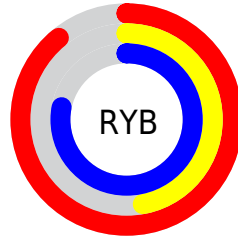
The Yxy color **34.0136, 0.3442, 0.2407** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.5873, 0.2922, 0.4387**, and the grayscale version is **35.7326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **14.5246, 0.3525, 0.2173** is the 20% darker color. If you saturate the color by 10%, you get **28.8945, 0.3534, 0.2241**, and if you desaturate by 10%, it is **40.4324, 0.3358, 0.2592**.

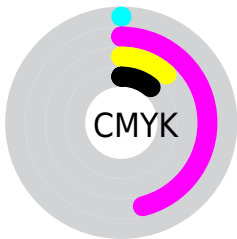
# Distribution



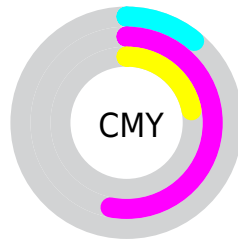
- Red (89%)
- Green (47%)
- Blue (78%)



- Red (89%)
- Yellow (47%)
- Blue (78%)



- Cyan (0%)
- Magenta (46%)
- Yellow (12%)
- Black (11%)




- Cyan (11%)
- Magenta (53%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0136, 0.3442, 0.2407 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 34.0136, 0.3442, 0.2407 by changing the saturation by 10% instead.





 34.0136, 0.3442,  
0.2407


 34.0136, 0.3442,  
0.2407


320.1927, 0.3293,  
0.2835


 22.9040, 0.3477,  
0.2305


 65.9548, 0.3390,  
0.2559

 14.5227, 0.3519,  
0.2177


 87.5553, 0.3370,  
0.2617

 8.4851, 0.3573,  
0.2012


 113.4215, 0.3352,  
0.2667

 4.4069, 0.3643,  
0.1793

143.9378, 0.3337,  
0.2710

 1.9037, 0.3734,  
0.1490

179.4888, 0.3324,  
0.2747

 0.5506, 0.3878,  
0.0995

220.4586, 0.3312,

 0.0000, 0.4137,

0.2780

0.0000

267.2318, 0.3302,  
0.2809

0.0000, 0.0000,  
0.0000

34.0136, 0.3442,  
0.2407

34.0136, 0.3442,  
0.2407

28.8945, 0.3534,  
0.2241

40.4324, 0.3358,  
0.2592

24.9789, 0.3633,  
0.2105

48.2286, 0.3282,  
0.2785

22.1652, 0.3734,  
0.2007


57.4794, 0.3216,  
0.2980

20.3324, 0.3835,  
0.1956


68.2550, 0.3160,  
0.3171

19.3285, 0.3932,  
0.1953

80.6211, 0.3111,  
0.3353

 19.0808, 0.3966,  
0.1958

 93.6146, 0.3070,  
0.3508

 93.9408, 0.3039,  
0.3450

 94.2773, 0.3008,  
0.3393

 94.6241, 0.2977,  
0.3336

# Harmonies

## Analogous

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



34.0136, 0.2598, 0.2092



34.0136, 0.3442, 0.2407



34.0136, 0.4296, 0.2900

# Triad

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



34.0136, 0.3442, 0.2407



34.0136, 0.4230, 0.4665



34.0136, 0.1705, 0.2728

# Complementary

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



34.0136, 0.3442, 0.2407



60.5873, 0.2922, 0.4387

# 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.



34.0136, 0.2027, 0.3590



34.0136, 0.3442, 0.2407



34.0136, 0.3470, 0.4896

# Square

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



34.0136, 0.3442, 0.2407



34.0136, 0.4739, 0.4113



34.0136, 0.2662, 0.4495



34.0136, 0.1704, 0.2202



# Rectangle

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



34.0136, 0.3442, 0.2407



34.0136, 0.4686, 0.3288



34.0136, 0.2662, 0.4495



34.0136, 0.1775, 0.2984

# Sweetspot

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



34.0152, 0.3442, 0.2407



78.7432, 0.3202, 0.3027



25.2255, 0.2436, 0.1901



16.2310, 0.3215, 0.2985



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.



34.0152, 0.3442, 0.2407



38.0403, 0.3533, 0.2243



32.0137, 0.4042, 0.2965



13.8746, 0.3175, 0.3115



10.9004, 0.3951, 0.1950



0.7695, 0.3813, 0.1874



# Inverse Universe

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



34.0152, 0.3442, 0.2407



38.0403, 0.3533, 0.2243



62.5593, 0.2649, 0.3659



13.8746, 0.3175, 0.3115



10.9004, 0.3951, 0.1950



0.7695, 0.3813, 0.1874



# Previews

## White Background



This preview shows how the Yxy color 34.0136, 0.3442, 0.2407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

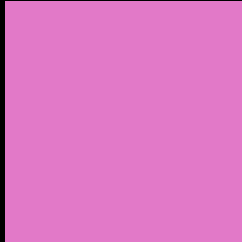
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0136, 0.3442, 0.2407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

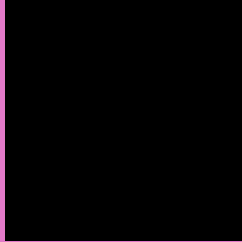
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.0136, 0.3442, 0.2407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.0136, 0.3442, 0.2407.



This preview shows how white text looks on a background with the Yxy color 34.0136, 0.3442, 0.2407.

# 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

34.0136, 0.3442, 0.2407

### Protanopia

34.5022, 0.2433, 0.2347

### Deuteranopia

34.3063, 0.2796, 0.2742



## Tritanopia

33.9739, 0.4001, 0.3172

# Trichromacy



## Original Color

34.0136, 0.3442, 0.2407



## Protanomaly

33.0897, 0.2730, 0.2334



## Deuteranomaly

33.4542, 0.3013, 0.2595



## Tritanomaly

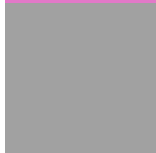
33.9104, 0.3789, 0.2876

# Monochromacy



## Original Color

34.0136, 0.3442, 0.2407



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

33.9672, 0.3247, 0.2901

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0136, 0.3442, 0.2407 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, 121, 200)` looks like.

```
.text, #text, p{  
    color:rgb(226, 121, 200)  
}
```

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, 121, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 121, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0136, 0.3442, 0.2407 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, 121, 200) }
```

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

```
.border{ border-color:rgb(226, 121, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 121, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 121, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 121, 200); box-shadow:4px 4px 4px 4px rgb(226, 121, 200) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0136, 0.3442, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 121, 200) }
```

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

```
.background{ background-color: rgb(226,  
121, 200) }
```

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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