

Converting Colors

$Y_{xy}(33.7870, 0.3621, 0.2519)$

Have a look what the booklet for
Yxy(33.7870, 0.3621, 0.2519)
contains.

Yxy(33.8134, 0.3629, 0.2524)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.8134, 0.3629, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	E777BC
RGB	231, 119, 188
RGB Percent	91%, 47%, 74%
CMY	0.0943, 0.5332, 0.2628
CMYK	0.00, 0.48, 0.19, 0.09
HSL	323°, 70%, 69%
HSV	323°, 48%, 91%
XYZ	48.6168, 33.8134, 51.5373
YIQ	160.3540, 44.6030, 45.2030

Conversions

Conversions Part 2

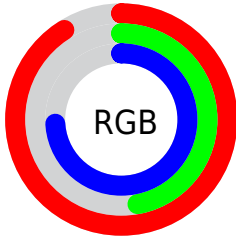
Format	Color
R _{YB}	231, 119, 188
Decimal	15169468
CIE _{Lab}	64.81, 51.53, -16.53
CIE _{LCh}	65, 54.120, 342.215
Yxy	33.8134, 0.3629, 0.2524
Android (android.graphics.Color)	4293359548 (0xFFE777BC)
YUV	160.3540, 13.6295, 61.9565
Hunter-Lab	58.1493, 47.4770, -11.8438

Details

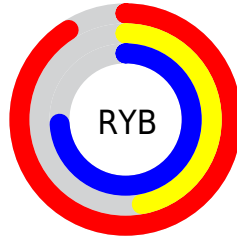
The Yxy color **33.8134, 0.3629, 0.2524** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.6588, 0.2836, 0.4228**, and the grayscale version is **35.2500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0638, 0.3250, 0.2595**, and **14.4141, 0.3767, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **28.5968, 0.3781, 0.2389**, and if you desaturate by 10%, it is **40.3924, 0.3493, 0.2678**.

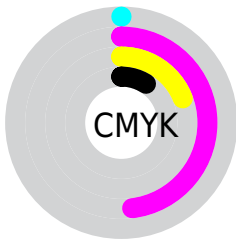
Distribution



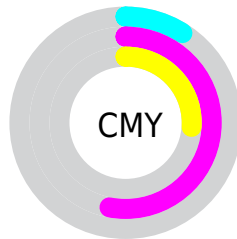
- Red (91%)
- Green (47%)
- Blue (74%)



- Red (91%)
- Yellow (47%)
- Blue (74%)



- Cyan (0%)
- Magenta (48%)
- Yellow (19%)
- Black (9%)





- Cyan (9%)
- Magenta (53%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8134, 0.3629, 0.2524 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 33.8134, 0.3629, 0.2524 by changing the saturation by 10% instead.


 33.8134, 0.3629,
0.2524


 33.8134, 0.3629,
0.2524


319.2992, 0.3378,
0.2901

 22.7503, 0.3692,
0.2432


 65.6434, 0.3538,
0.2659

 14.4092, 0.3772,
0.2316


 87.1790, 0.3504,
0.2711

 8.4058, 0.3878,
0.2164


 112.9743, 0.3475,
0.2754

 4.3557, 0.4024,
0.1959

143.4137, 0.3450,
0.2792

 1.8745, 0.4239,
0.1668

178.8814, 0.3428,
0.2825

 0.5330, 0.4622,
0.1150

219.7620, 0.3409,


 0.0000, 0.5731,

0.2853


0.0000


266.4398, 0.3393,
0.2878

 0.0000, 0.0000,
0.0000

 33.8134, 0.3629,
0.2524


 33.8134, 0.3629,
0.2524


 28.5968, 0.3781,
0.2389


 40.3924, 0.3493,
0.2678


 24.6387, 0.3947,
0.2283


 48.4178, 0.3375,
0.2840


 21.8286, 0.4122,
0.2220


 57.9725, 0.3274,
0.3003


 20.0339, 0.4298,
0.2206

 69.1319, 0.3189,
0.3162


 19.0619, 0.4470,
0.2243

 81.9661, 0.3117,
0.3313

 18.9430, 0.4497,
0.2251

 94.8631, 0.3058,
0.3429

 95.4064, 0.3008,
0.3339

 95.7210, 0.2981,
0.3290

Harmonies

Analogous

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



33.8134, 0.2780, 0.2172



33.8134, 0.3629, 0.2524



33.8134, 0.4409, 0.3035

Triad

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



33.8134, 0.3629, 0.2524



33.8134, 0.4056, 0.4718



33.8134, 0.1714, 0.2603

Complementary

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



33.8134, 0.3629, 0.2524



63.6588, 0.2836, 0.4228

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.



33.8134, 0.1959, 0.3379



33.8134, 0.3629, 0.2524



33.8134, 0.3288, 0.4816

Square

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



33.8134, 0.3629, 0.2524



33.8134, 0.4619, 0.4229



33.8134, 0.2520, 0.4286



33.8134, 0.1778, 0.2164

Rectangle

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



33.8134, 0.3629, 0.2524



33.8134, 0.4715, 0.3425



33.8134, 0.2520, 0.4286



33.8134, 0.1760, 0.2827

Sweetspot

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



33.8150, 0.3629, 0.2524



77.0671, 0.3244, 0.3057



26.6454, 0.2540, 0.1885



15.8867, 0.3262, 0.3023



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.



33.8150, 0.3629, 0.2524



35.8839, 0.3779, 0.2390



31.8531, 0.4316, 0.3145



14.5165, 0.3196, 0.3146



10.6496, 0.4471, 0.2236



0.8050, 0.4237, 0.2108

Inverse Universe

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



33.8150, 0.3629, 0.2524



35.8839, 0.3779, 0.2390



66.1067, 0.2551, 0.3454



14.5165, 0.3196, 0.3146



10.6496, 0.4471, 0.2236



0.8050, 0.4237, 0.2108

Previews

White Background



This preview shows how the Yxy color 33.8134, 0.3629, 0.2524 looks on a white background.

Color Contrast Check

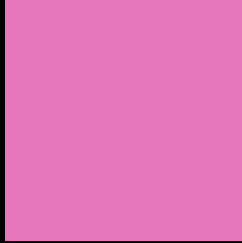
Large Text (above 18pt) WCAG AA × Fail

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 33.8134, 0.3629, 0.2524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

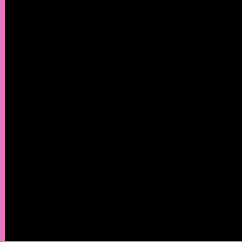
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8134, 0.3629, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 33.8134, 0.3629, 0.2524.



This preview shows how white text looks on a background with the Yxy color 33.8134, 0.3629, 0.2524.

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

33.8134, 0.3629, 0.2524

Protanopia

34.2947, 0.2543, 0.2491

Deuteranopia

34.0657, 0.2946, 0.2893



Tritanopia

33.7333, 0.4130, 0.3175

Trichromacy



Original Color

33.8134, 0.3629, 0.2524



Protanomaly

33.0514, 0.2869, 0.2476



Deuteranomaly

32.9495, 0.3174, 0.2722



Tritanomaly

33.5955, 0.3949, 0.2921

Monochromacy



Original Color

33.8134, 0.3629, 0.2524



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.5922, 0.3308, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8134, 0.3629, 0.2524 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, 119, 188)` looks like.

```
.text, #text, p{  
    color:rgb(231, 119, 188)  
}
```

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, 119, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 119, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.8134, 0.3629, 0.2524 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, 119, 188) }
```

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

```
.border{ border-color:rgb(231, 119, 188) }
```

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

Here you see how a box with a 4 pixel rgb(231, 119, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 119, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 119, 188);  
box-shadow:4px 4px 4px 4px rgb(231, 119,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8134, 0.3629, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 119, 188) }
```

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

```
.background{ background-color: rgb(231,  
119, 188) }
```

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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