

# Converting Colors

$Y_{xy}(35.1829, 0.3901, 0.3021)$

Have a look what the booklet for  
Yxy(35.1829, 0.3901, 0.3021)  
contains.

<b>Yxy(35.1829, 0.3901, 0.3021)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(35.1829, 0.3901, 0.3021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1859C
RGB	225, 133, 156
RGB Percent	88%, 52%, 61%
CMY	0.1178, 0.4783, 0.3883
CMYK	0.00, 0.41, 0.31, 0.12
HSL	345°, 60%, 70%
HSV	345°, 41%, 88%
XYZ	45.4315, 35.1829, 35.8467
YIQ	163.1300, 47.4490, 26.6570

# Conversions

## Conversions Part 2

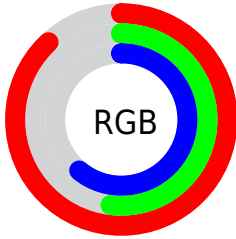
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 133, 156
Decimal	14779804
CIE <sub>Lab</sub>	65.89, 37.96, 3.09
CIE <sub>LCh</sub>	66, 38.087, 4.655
Yxy	35.1829, 0.3901, 0.3021
Android (android.graphics.Color)	4292969884 (0xFFE1859C)
YUV	163.1300, -3.5151, 54.2600
Hunter-Lab	59.3152, 32.9176, 5.6891

# Details

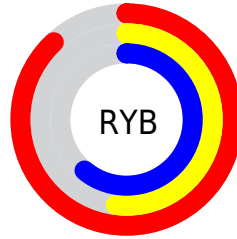
The Yxy color **35.1829, 0.3901, 0.3021** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.0851, 0.2686, 0.3586**, and the grayscale version is **36.6924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4538, 0.3511, 0.3054**, and **15.1203, 0.4145, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **29.1363, 0.4202, 0.2961**, and if you desaturate by 10%, it is **42.6315, 0.3649, 0.3088**.

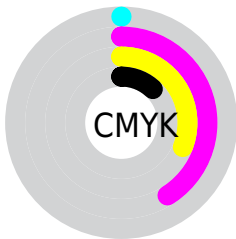
# Distribution



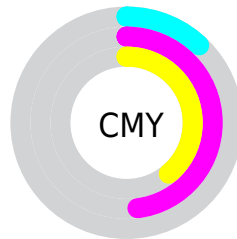
- Red (88%)
- Green (52%)
- Blue (61%)



- Red (88%)
- Yellow (52%)
- Blue (61%)



- Cyan (0%)
- Magenta (41%)
- Yellow (31%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1829, 0.3901, 0.3021 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 35.1829, 0.3901, 0.3021 by changing the saturation by 10% instead.





 35.1829, 0.3901,  
0.3021


 35.1829, 0.3901,  
0.3021


325.3749, 0.3495,  
0.3165


 23.8038, 0.4008,  
0.2982


 67.7690, 0.3749,  
0.3076

 15.1881, 0.4150,  
0.2929


 89.7448, 0.3693,  
0.3096

 8.9515, 0.4345,  
0.2856


 116.0216, 0.3647,  
0.3112

 4.7096, 0.4629,  
0.2747

146.9839, 0.3607,  
0.3126

 2.0779, 0.5077,  
0.2570

183.0159, 0.3573,  
0.3138

 0.6521, 0.6058,  
0.2243

224.5022, 0.3544,


 0.0000, 1.0000,


0.3148


0.0000


271.8270, 0.3518,  
0.3157

 0.0000, 0.0000,  
0.0000


 35.1829, 0.3901,  
0.3021


 35.1829, 0.3901,  
0.3021


 29.1363, 0.4202,  
0.2961


 42.6315, 0.3649,  
0.3088


 24.3982, 0.4550,  
0.2917

 51.5575, 0.3442,  
0.3156


 20.8721, 0.4933,  
0.2898

 62.0370, 0.3274,  
0.3222

 18.4456, 0.5326,  
0.2916

 74.1393, 0.3138,  
0.3285

 16.9847, 0.5687,  
0.2976

 87.9295, 0.3027,  
0.3342

■ 16.2897, 0.5960,  
0.3057

■ 94.7422, 0.2946,  
0.3289

# Harmonies

## Analogous

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



35.1829, 0.3335, 0.2654



35.1829, 0.3901, 0.3021



35.1829, 0.4248, 0.3463

# Triad

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



35.1829, 0.3901, 0.3021



35.1829, 0.3419, 0.4350



35.1829, 0.2104, 0.2551

# Complementary

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



35.1829, 0.3901, 0.3021



63.0851, 0.2686, 0.3586

# 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.



35.1829, 0.2122, 0.2950



35.1829, 0.3901, 0.3021



35.1829, 0.2849, 0.4078

# Square

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



35.1829, 0.3901, 0.3021



35.1829, 0.3937, 0.4253



35.1829, 0.2381, 0.3524



35.1829, 0.2323, 0.2381



# Rectangle

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



35.1829, 0.3901, 0.3021



35.1829, 0.4291, 0.3764



35.1829, 0.2381, 0.3524



35.1829, 0.2083, 0.2659

# Sweetspot

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



35.1846, 0.3901, 0.3021



80.6153, 0.3293, 0.3215



34.7707, 0.2959, 0.2221



16.8444, 0.3313, 0.3206



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.



35.1846, 0.3901, 0.3021



39.8212, 0.4153, 0.2970



41.4771, 0.4053, 0.3564



13.7564, 0.3253, 0.3232



9.4058, 0.5922, 0.3036



0.6662, 0.5483, 0.2794



# Inverse Universe

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



35.1846, 0.3901, 0.3021



39.8212, 0.4153, 0.2970



52.6555, 0.2521, 0.2991



13.7564, 0.3253, 0.3232



9.4058, 0.5922, 0.3036



0.6662, 0.5483, 0.2794



# Previews

## White Background



This preview shows how the Yxy color 35.1829, 0.3901, 0.3021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

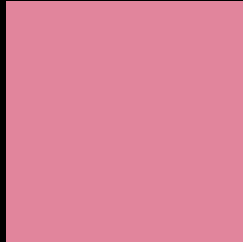
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1829, 0.3901, 0.3021 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 35.1829, 0.3901, 0.3021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.1829, 0.3901, 0.3021.



This preview shows how white text looks on a background with the Yxy color 35.1829, 0.3901, 0.3021.

# 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

35.1829, 0.3901, 0.3021

### Protanopia

35.5555, 0.3031, 0.3131

### Deuteranopia

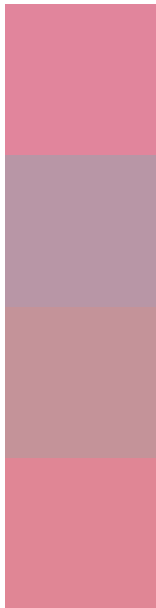
35.2934, 0.3398, 0.3333



## Tritanopia

35.2196, 0.4011, 0.3174

# Trichromacy



**Original Color**

35.1829, 0.3901, 0.3021

**Protanomaly**

34.7562, 0.3320, 0.3073

**Deuteranomaly**

34.9031, 0.3584, 0.3212

**Tritanomaly**

35.0674, 0.3969, 0.3114

# Monochromacy



**Original Color**

35.1829, 0.3901, 0.3021

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

35.4336, 0.3396, 0.3182

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1829, 0.3901, 0.3021 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, 133, 156)` looks like.

```
.text, #text, p{  
    color:rgb(225, 133, 156)  
}
```

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, 133, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 133, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1829, 0.3901, 0.3021 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, 133, 156) }
```

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

```
.border{ border-color:rgb(225, 133, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 133, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 133, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 133, 156);  
box-shadow:4px 4px 4px 4px rgb(225, 133,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1829, 0.3901, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 133, 156) }
```

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

```
.background{ background-color: rgb(225,  
133, 156) }
```

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