

# Converting Colors

$Yxy(21.3458, 0.4187, 0.2997)$

Have a look what the booklet for  
Yxy(21.3458, 0.4187, 0.2997)  
contains.

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**Color**

**Yxy(21.3506, 0.4193, 0.2999)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C26177
RGB	194, 97, 119
RGB Percent	76%, 38%, 47%
CMY	0.2392, 0.6196, 0.5335
CMYK	0.00, 0.50, 0.39, 0.24
HSL	346°, 44%, 57%
HSV	346°, 50%, 76%
XYZ	29.8510, 21.3506, 19.9908
YIQ	128.5110, 50.7500, 27.4060

# Conversions

## Conversions Part 2

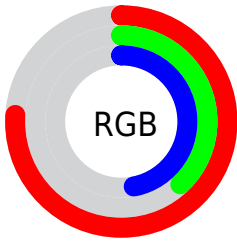
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 97, 119
Decimal	12738935
CIE <sub>Lab</sub>	53.33, 41.03, 5.86
CIE <sub>LCh</sub>	53, 41.444, 8.135
Yxy	21.3506, 0.4193, 0.2999
Android (android.graphics.Color)	4290929015 (0xFFC26177)
YUV	128.5110, -4.6889, 57.4339
Hunter-Lab	46.2067, 34.4548, 6.6935

# Details

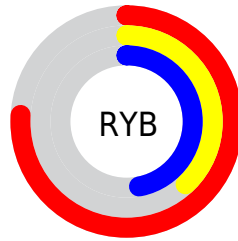
The Yxy color **21.3506, 0.4193, 0.2999** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **44.1053, 0.2603, 0.3625**, and the grayscale version is **21.7771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6356, 0.3954, 0.3070**, and **7.7273, 0.4612, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **17.8615, 0.4544, 0.2958**, and if you desaturate by 10%, it is **25.7754, 0.3891, 0.3054**.

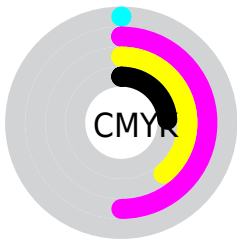
# Distribution



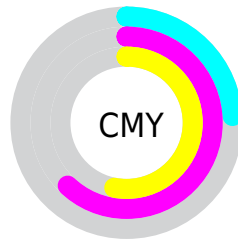
- Red (76%)
- Green (38%)
- Blue (47%)



- Red (76%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (39%)
- Black (24%)




- Cyan (24%)
- Magenta (62%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3506, 0.4193, 0.2999 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 21.3506, 0.4193, 0.2999 by changing the saturation by 10% instead.





 21.3506, 0.4193,  
0.2999

 21.3506, 0.4193,  
0.2999


259.1359, 0.3589,  
0.3173

 13.3805, 0.4372,  
0.2943


 45.6703, 0.3954,  
0.3070


 7.6911, 0.4620,  
0.2863


 62.7887, 0.3870,  
0.3095

 3.8979, 0.4988,  
0.2739

 83.7254, 0.3802,  
0.3114

 1.6166, 0.5576,  
0.2525

 108.8646, 0.3745,  
0.3130

 0.3688, 0.7986,  
0.2014

138.5909, 0.3697,  
0.3143

 0.0000, 1.0000,  
0.0000


173.2887, 0.3656,


 0.0000, 0.0000,


0.3155

0.0000


213.3422, 0.3620,  
0.3164


 21.3506, 0.4193,  
0.2999


 21.3506, 0.4193,  
0.2999


 17.8615, 0.4544,  
0.2958


 25.7754, 0.3891,  
0.3054


 15.2371, 0.4933,  
0.2939

 31.1935, 0.3639,  
0.3114


 13.4016, 0.5333,  
0.2953


 37.6619, 0.3432,  
0.3175

 12.2641, 0.5703,  
0.3005


 45.2322, 0.3264,  
0.3234


 11.6508, 0.6009,  
0.3084

 53.9525, 0.3127,  
0.3290

 11.6505, 0.6009,  
0.3084

 63.8683, 0.3016,  
0.3341

 75.0224, 0.2926,  
0.3388

 87.4555, 0.2852,  
0.3431

 90.1474, 0.2778,  
0.3299

# Harmonies

## Analogous

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



21.3506, 0.3474, 0.2542



21.3506, 0.4193, 0.2999



21.3506, 0.4590, 0.3540

# Triad

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



21.3506, 0.4193, 0.2999



21.3506, 0.3387, 0.4661



21.3506, 0.1874, 0.2312

# Complementary

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



21.3506, 0.4193, 0.2999



44.1053, 0.2603, 0.3625

# 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.



21.3506, 0.1856, 0.2762



21.3506, 0.4193, 0.2999



21.3506, 0.2678, 0.4259

# Square

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



21.3506, 0.4193, 0.2999



21.3506, 0.4063, 0.4537



21.3506, 0.2128, 0.3488



21.3506, 0.2168, 0.2152



# Rectangle

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



21.3506, 0.4193, 0.2999



21.3506, 0.4594, 0.3910



21.3506, 0.2128, 0.3488



21.3506, 0.1837, 0.2428

# Sweetspot

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



21.3517, 0.4193, 0.2999



74.5042, 0.3347, 0.3204



21.1456, 0.2927, 0.2004



15.6825, 0.3385, 0.3191



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.



21.3517, 0.4193, 0.2999



31.8401, 0.4580, 0.2955



26.4671, 0.4329, 0.3640



10.1144, 0.3254, 0.3238



7.6704, 0.5977, 0.3066



0.3423, 0.5336, 0.2713



# Inverse Universe

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



21.3517, 0.4193, 0.2999



31.8401, 0.4580, 0.2955



34.4923, 0.2404, 0.2889



10.1144, 0.3254, 0.3238



7.6704, 0.5977, 0.3066



0.3423, 0.5336, 0.2713



# Previews

## White Background



This preview shows how the Yxy color 21.3506, 0.4193, 0.2999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

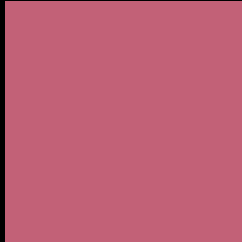
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 21.3506, 0.4193, 0.2999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

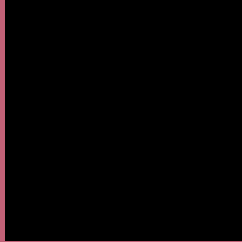
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 21.3506, 0.4193, 0.2999**

## Background



This preview shows how black text looks on a background with the Yxy color 21.3506, 0.4193, 0.2999.

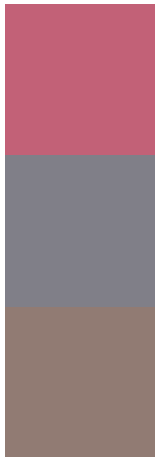


This preview shows how white text looks on a background with the Yxy color 21.3506, 0.4193, 0.2999.

# 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

21.3506, 0.4193, 0.2999

### Protanopia

21.5455, 0.3042, 0.3130

### Deuteranopia

21.4235, 0.3498, 0.3429



## Tritanopia

21.3017, 0.4364, 0.3200

# Trichromacy



## Original Color

21.3506, 0.4193, 0.2999

## Protanomaly

20.7779, 0.3420, 0.3060

## Deuteranomaly

21.0821, 0.3754, 0.3260

## Tritanomaly

21.2205, 0.4296, 0.3119

# Monochromacy



## Original Color

21.3506, 0.4193, 0.2999

## Achromatopsia

21.9526, 0.3127, 0.3290

## Achromatomaly

20.9756, 0.3494, 0.3159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.3506, 0.4193, 0.2999 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(194, 97, 119)` looks like.

```
.text, #text, p{  
    color:rgb(194, 97, 119)  
}
```

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(194, 97, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 97, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 21.3506, 0.4193, 0.2999 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(194, 97, 119) }
```

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

```
.border{ border-color:rgb(194, 97, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 97, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 97, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 97, 119);  
box-shadow:4px 4px 4px 4px rgb(194, 97,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.3506, 0.4193, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 97, 119) }
```

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

```
.background{ background-color: rgb(194, 97,  
119) }
```

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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