

# Converting Colors

Yxy(50.3435, 0.3802, 0.3324)

Have a look what the booklet for  
Yxy(50.3435, 0.3802, 0.3324)  
contains.

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# Color

**Yxy(50.1019, 0.3796, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0AAA8
RGB	240, 170, 168
RGB Percent	94%, 67%, 66%
CMY	0.0587, 0.3334, 0.3412
CMYK	0.00, 0.29, 0.30, 0.06
HSL	2°, 71%, 80%
HSV	2°, 30%, 94%
XYZ	57.3889, 50.1019, 43.6918
YIQ	190.7020, 42.3620, 14.2180

# Conversions

## Conversions Part 2

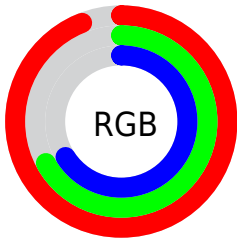
Format	Color
R <sub>Y</sub> B	240, 170, 168
Decimal	15772328
CIE Lab	76.13, 25.48, 11.33
CIE LCh	76, 27.889, 23.971
Yxy	50.1019, 0.3796, 0.3314
Android (android.graphics.Color)	4293962408 (0xFFFF0AAA8)
YUV	190.7020, -11.1921, 43.2343
Hunter-Lab	70.7827, 20.8538, 12.9502

# Details

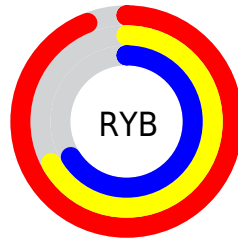
The Yxy color **50.1019, 0.3796, 0.3314** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **75.8029, 0.2692, 0.3266**, and the grayscale version is **51.9685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9804, 0.3352, 0.3321**, and **23.9286, 0.3981, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **41.3029, 0.4132, 0.3322**, and if you desaturate by 10%, it is **60.6246, 0.3523, 0.3306**.

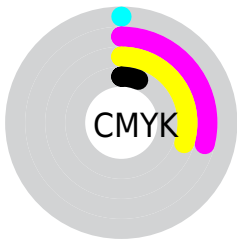
# Distribution



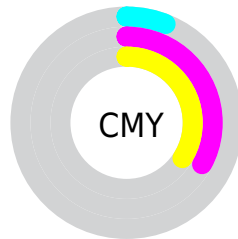
- Red (94%)
- Green (67%)
- Blue (66%)



- Red (94%)
- Yellow (67%)
- Blue (66%)



- Cyan (0%)
- Magenta (29%)
- Yellow (30%)
- Black (6%)




- Cyan (6%)
- Magenta (33%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1019, 0.3796, 0.3314 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 50.1019, 0.3796, 0.3314 by changing the saturation by 10% instead.





 50.1019, 0.3796,  
0.3314


 50.1019, 0.3796,  
0.3314


387.0643, 0.3462,  
0.3310

 35.4944, 0.3879,  
0.3313


 90.3258, 0.3675,  
0.3314

 24.0439, 0.3984,  
0.3310


 116.7110, 0.3630,  
0.3314

 15.3662, 0.4124,  
0.3304


147.7909, 0.3591,  
0.3313

 9.0768, 0.4317,  
0.3291

183.9499, 0.3558,  
0.3313

 4.7913, 0.4600,  
0.3264

225.5723, 0.3529,  
0.3312

 2.1253, 0.5047,  
0.3199

273.0426, 0.3504,

 0.6788, 0.6643,

0.3311

326.7451, 0.3482,  
0.3311

0.3357

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.1019, 0.3796,  
0.3314

50.1019, 0.3796,  
0.3314

41.3029, 0.4132,  
0.3322

60.6246, 0.3523,  
0.3306

34.1291, 0.4533,  
0.3330

72.9483, 0.3303,  
0.3297

28.4832, 0.4989,  
0.3335

87.1544, 0.3127,  
0.3290

24.2544, 0.5466,  
0.3336

97.2730, 0.3036,  
0.3290

■ 21.3171, 0.5901,  
0.3331

■ 19.5237, 0.6220,  
0.3320

■ 18.6765, 0.6386,  
0.3311

# Harmonies

## Analogous

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



50.1019, 0.3512, 0.3017



50.1019, 0.3796, 0.3314



50.1019, 0.3887, 0.3622

# Triad

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



50.1019, 0.3796, 0.3314



50.1019, 0.3088, 0.3872



50.1019, 0.2516, 0.2707

# Complementary

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



50.1019, 0.3796, 0.3314



75.8029, 0.2692, 0.3266

# 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.



50.1019, 0.2421, 0.2891



50.1019, 0.3796, 0.3314



50.1019, 0.2737, 0.3578

# Square

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



50.1019, 0.3796, 0.3314



50.1019, 0.3464, 0.3975



50.1019, 0.2498, 0.3207



50.1019, 0.2768, 0.2677



# Rectangle

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



50.1019, 0.3796, 0.3314



50.1019, 0.3825, 0.3799



50.1019, 0.2498, 0.3207



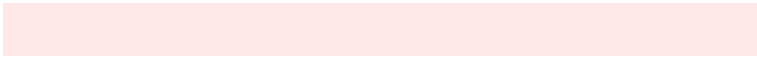
50.1019, 0.2466, 0.2751

# Sweetspot

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



50.1043, 0.3796, 0.3314



85.1870, 0.3284, 0.3297



52.7615, 0.3172, 0.2555



17.7569, 0.3313, 0.3298



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.



50.1043, 0.3796, 0.3314



51.0853, 0.3993, 0.3319



65.1299, 0.3683, 0.3696



15.8285, 0.3293, 0.3297



10.2508, 0.6381, 0.3316



0.8772, 0.6328, 0.3357



# Inverse Universe

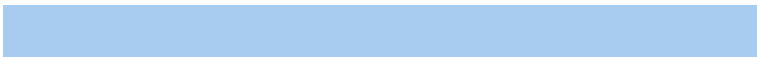
The Inverse Universe completely reimagines the original color for something new.



75.8029, 0.2692, 0.3266



84.9450, 0.2616, 0.3261



57.2468, 0.2644, 0.2846



17.8499, 0.2981, 0.3283



35.5013, 0.2223, 0.3203



2.9768, 0.2227, 0.3215



# Previews

## White Background



This preview shows how the Yxy color 50.1019, 0.3796, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

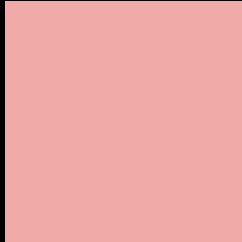
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.1019, 0.3796, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

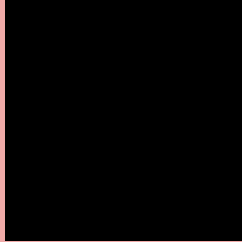
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.1019, 0.3796, 0.3314**

## Background



This preview shows how black text looks on a background with the Yxy color 50.1019, 0.3796, 0.3314.



This preview shows how white text looks on a background with the Yxy color 50.1019, 0.3796, 0.3314.

# 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

50.1019, 0.3796, 0.3314

### Protanopia

50.1843, 0.3265, 0.3416

### Deuteranopia

50.0971, 0.3544, 0.3472



## Tritanopia

50.0422, 0.3688, 0.3148

# Trichromacy



## Original Color

50.1019, 0.3796, 0.3314

## Protanomaly

49.9526, 0.3448, 0.3376

## Deuteranomaly

49.9223, 0.3628, 0.3409

## Tritanomaly

50.2113, 0.3732, 0.3214

# Monochromacy



## Original Color

50.1019, 0.3796, 0.3314

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

50.8412, 0.3351, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1019, 0.3796, 0.3314 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(240, 170, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 170, 168)  
}
```

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(240, 170, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 170, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1019, 0.3796, 0.3314 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(240, 170, 168) }
```

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

```
.border{ border-color:rgb(240, 170, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 170, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 170, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 170, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 170,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1019, 0.3796, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 170, 168) }
```

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

```
.background{ background-color: rgb(240,  
170, 168) }
```

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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