

# Converting Colors

Yxy(59.7068, 0.3398, 0.3428)

Have a look what the booklet for  
Yxy(59.7068, 0.3398, 0.3428)  
contains.

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# Color

**Yxy(59.8069, 0.3394, 0.3428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDC7BB
RGB	221, 199, 187
RGB Percent	87%, 78%, 73%
CMY	0.1333, 0.2196, 0.2666
CMYK	0.00, 0.10, 0.15, 0.13
HSL	21°, 33%, 80%
HSV	21°, 15%, 87%
XYZ	59.2137, 59.8069, 55.4453
YIQ	204.2100, 16.9640, 0.9320

# Conversions

## Conversions Part 2

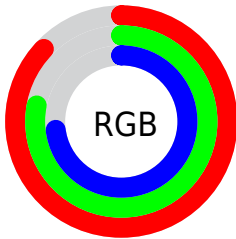
Format	Color
R <sub>Y</sub> B	221, 206, 187
Decimal	14534587
CIE Lab	81.73, 5.77, 8.80
CIE LCh	82, 10.521, 56.722
Yxy	59.8069, 0.3394, 0.3428
Android (android.graphics.Color)	4292724667 (0xFFDDC7BB)
YUV	204.2100, -8.4845, 14.7248
Hunter-Lab	77.3349, 1.3376, 11.6265

# Details

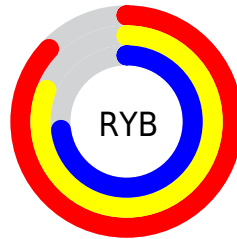
The Yxy color  $59.8069, 0.3394, 0.3428$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $61.3966, 0.2889, 0.3148$ , and the grayscale version is  $60.5721, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.2511, 0.3197, 0.3405$ , and  $30.0790, 0.3466, 0.3457$  is the 20% darker color. If you saturate the color by 10%, you get  $52.6577, 0.3606, 0.3524$ , and if you desaturate by 10%, it is  $67.7260, 0.3213, 0.3337$ .

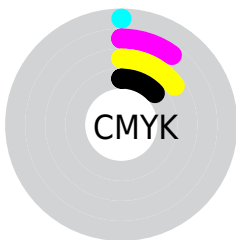
# Distribution



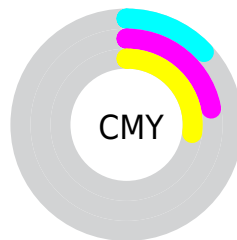
- Red (87%)
- Green (78%)
- Blue (73%)



- Red (87%)
- Yellow (81%)
- Blue (73%)



- Cyan (0%)
- Magenta (10%)
- Yellow (15%)
- Black (13%)




- Cyan (13%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8069, 0.3394, 0.3428 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 59.8069, 0.3394, 0.3428 by changing the saturation by 10% instead.




 59.8069, 0.3394,  
0.3428

 59.8069, 0.3394,  
0.3428


423.8856, 0.3265,  
0.3363

 43.2630, 0.3425,  
0.3443


 104.5495, 0.3348,  
0.3405

 30.0915, 0.3463,  
0.3462


133.5170, 0.3331,  
0.3397

 19.9081, 0.3514,  
0.3486


167.3945, 0.3316,  
0.3389

 12.3282, 0.3581,  
0.3517

206.5664, 0.3303,  
0.3382

 6.9676, 0.3677,  
0.3561

251.4170, 0.3292,  
0.3377

 3.4419, 0.3824,  
0.3624

302.3309, 0.3282,

 1.3665, 0.4086,

0.3372

359.6923, 0.3273,  
0.3367

0.3731

0.1919, 0.6276,  
0.3724

0.0000, 0.0000,  
0.0000

59.8069, 0.3394,  
0.3428

59.8069, 0.3394,  
0.3428

52.6577, 0.3606,  
0.3524

67.7260, 0.3213,  
0.3337

46.2467, 0.3854,  
0.3621

76.4296, 0.3059,  
0.3251

40.5519, 0.4137,  
0.3715

85.9418, 0.2929,  
0.3173

35.5467, 0.4454,  
0.3797

94.1126, 0.2923,  
0.3289

■ 31.2032, 0.4795,  
0.3857

■ 27.4907, 0.5141,  
0.3881

■ 24.3763, 0.5466,  
0.3858

■ 21.8224, 0.5737,  
0.3784

■ 20.8136, 0.5847,  
0.3740

# Harmonies

## Analogous

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



59.8069, 0.3368, 0.3317



59.8069, 0.3394, 0.3428



59.8069, 0.3347, 0.3506

# Triad

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



59.8069, 0.3394, 0.3428



59.8069, 0.2978, 0.3380



59.8069, 0.3011, 0.3064

# Complementary

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



59.8069, 0.3394, 0.3428



61.3966, 0.2889, 0.3148

# 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.



59.8069, 0.2910, 0.3075



59.8069, 0.3394, 0.3428



59.8069, 0.2892, 0.3256

# Square

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



59.8069, 0.3394, 0.3428



59.8069, 0.3105, 0.3481



59.8069, 0.2867, 0.3144



59.8069, 0.3145, 0.3110



# Rectangle

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



59.8069, 0.3394, 0.3428



59.8069, 0.3281, 0.3527



59.8069, 0.2867, 0.3144



59.8069, 0.2972, 0.3061

# Sweetspot

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



59.8096, 0.3394, 0.3428



94.0526, 0.3207, 0.3334



55.5292, 0.3237, 0.3040



19.9570, 0.3219, 0.3340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

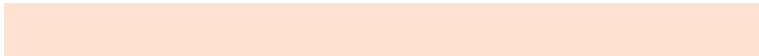


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8096, 0.3394, 0.3428



79.8749, 0.3449, 0.3454



68.0244, 0.3365, 0.3615



13.7991, 0.3283, 0.3373



12.2841, 0.5819, 0.3762



0.9547, 0.5505, 0.4011

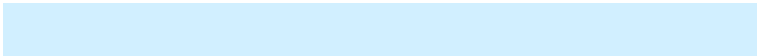


# Inverse Universe

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



61.3966, 0.2889, 0.3148



82.4127, 0.2846, 0.3120



53.5372, 0.2881, 0.2943



14.0165, 0.2982, 0.3206



14.6749, 0.1916, 0.2098

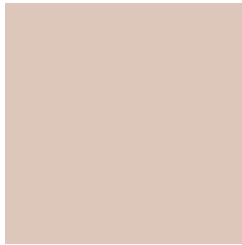


1.1105, 0.1976, 0.2315



# Previews

## White Background



This preview shows how the Yxy color 59.8069, 0.3394, 0.3428 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 59.8069, 0.3394, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

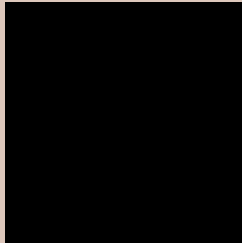
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.8069, 0.3394, 0.3428**

## Background



This preview shows how black text looks on a background with the Yxy color 59.8069, 0.3394, 0.3428.



This preview shows how white text looks on a background with the Yxy color 59.8069, 0.3394, 0.3428.

# 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

59.8069, 0.3394, 0.3428

### Protanopia

60.0876, 0.3284, 0.3455

### Deuteranopia

59.7687, 0.3458, 0.3381



## Tritanopia

59.5807, 0.3239, 0.3112

# Trichromacy



## Original Color

59.8069, 0.3394, 0.3428

## Protanomaly

60.1680, 0.3325, 0.3453

## Deuteranomaly

59.7321, 0.3431, 0.3393

## Tritanomaly

59.4321, 0.3299, 0.3223

# Monochromacy



## Original Color

59.8069, 0.3394, 0.3428

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.0199, 0.3219, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8069, 0.3394, 0.3428 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(221, 199, 187)` looks like.

```
.text, #text, p{  
    color:rgb(221, 199, 187)  
}
```

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(221, 199, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 199, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8069, 0.3394, 0.3428 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(221, 199, 187) }
```

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

```
.border{ border-color:rgb(221, 199, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 199, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 199, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 199, 187); box-shadow:4px 4px 4px 4px rgb(221, 199, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8069, 0.3394, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 199, 187) }
```

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

```
.background{ background-color: rgb(221,  
199, 187) }
```

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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