

# Converting Colors

$Yxy(59.8993, 0.3681, 0.3579)$

Have a look what the booklet for  
Yxy(59.8993, 0.3681, 0.3579)  
contains.

<b>Yxy(59.8993, 0.3681, 0.3579)</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(59.8993, 0.3681, 0.3579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDC3A9
RGB	237, 195, 169
RGB Percent	93%, 76%, 66%
CMY	0.0705, 0.2353, 0.3372
CMYK	0.00, 0.18, 0.29, 0.07
HSL	23°, 65%, 80%
HSV	23°, 29%, 93%
XYZ	61.6064, 59.8993, 45.8575
YIQ	204.5940, 33.3780, 0.8180

# Conversions

## Conversions Part 2

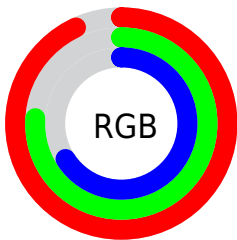
Format	Color
R <sub>Y</sub> B	237, 211, 169
Decimal	15582121
CIE Lab	81.78, 11.23, 18.68
CIE LCh	82, 21.794, 58.978
Yxy	59.8993, 0.3681, 0.3579
Android (android.graphics.Color)	4293772201 (0xFFEDC3A9)
YUV	204.5940, -17.5478, 28.4201
Hunter-Lab	77.3946, 6.6460, 19.0460

# Details

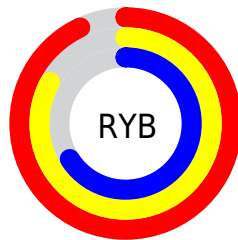
The Yxy color **59.8993, 0.3681, 0.3579** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.1564, 0.2679, 0.2981**, and the grayscale version is **60.8796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2626, 0.3313, 0.3563**, and **30.0374, 0.3822, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **52.8468, 0.3936, 0.3684**, and if you desaturate by 10%, it is **67.7623, 0.3460, 0.3474**.

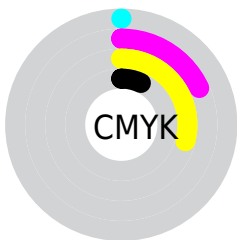
# Distribution



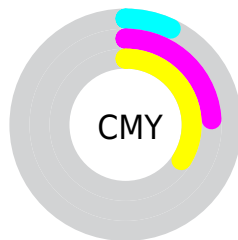
- Red (93%)
- Green (76%)
- Blue (66%)



- Red (93%)
- Yellow (83%)
- Blue (66%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (7%)




- Cyan (7%)
- Magenta (24%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8993, 0.3681, 0.3579 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 59.8993, 0.3681, 0.3579 by changing the saturation by 10% instead.





 59.8993, 0.3681,  
0.3579


 59.8993, 0.3681,  
0.3579


424.2265, 0.3414,  
0.3446

 43.3375, 0.3745,  
0.3609


 104.6836, 0.3586,  
0.3533

 30.1500, 0.3824,  
0.3645


 133.6748, 0.3550,  
0.3515

 19.9525, 0.3927,  
0.3690

167.5780, 0.3519,  
0.3500

 12.3605, 0.4065,  
0.3747

206.7775, 0.3492,  
0.3487

 6.9897, 0.4257,  
0.3820

251.6577, 0.3469,  
0.3475

 3.4557, 0.4542,  
0.3912

302.6030, 0.3448,

 1.3740, 0.5344,

0.3464

0.4297

359.9978, 0.3430,  
0.3455

0.1974, 0.7005,  
0.2995

0.0000, 0.0000,  
0.0000

59.8993, 0.3681,  
0.3579

59.8993, 0.3681,  
0.3579

52.8468, 0.3936,  
0.3684

67.7623, 0.3460,  
0.3474

46.5695, 0.4224,  
0.3783

76.4534, 0.3270,  
0.3373

41.0412, 0.4541,  
0.3866

85.9998, 0.3107,  
0.3278

36.2311, 0.4874,  
0.3921

95.8437, 0.3018,  
0.3276

■ 32.1056, 0.5203,  
0.3935

■ 96.7472, 0.3017,  
0.3290

■ 28.6278, 0.5500,  
0.3898

■ 25.7525, 0.5744,  
0.3810

■ 25.4154, 0.5773,  
0.3798

# Harmonies

## Analogous

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



59.8993, 0.3640, 0.3353



59.8993, 0.3681, 0.3579



59.8993, 0.3567, 0.3743

# Triad

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



59.8993, 0.3681, 0.3579



59.8993, 0.2803, 0.3458



59.8993, 0.2904, 0.2837

# Complementary

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



59.8993, 0.3681, 0.3579



61.1564, 0.2679, 0.2981

# 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.



59.8993, 0.2696, 0.2844



59.8993, 0.3681, 0.3579



59.8993, 0.2640, 0.3191

# Square

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



59.8993, 0.3681, 0.3579



59.8993, 0.3056, 0.3683



59.8993, 0.2602, 0.2968



59.8993, 0.3180, 0.2938



# Rectangle

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



59.8993, 0.3681, 0.3579



59.8993, 0.3422, 0.3788



59.8993, 0.2602, 0.2968



59.8993, 0.2824, 0.2826

# Sweetspot

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



59.9021, 0.3681, 0.3579



89.8928, 0.3276, 0.3376



51.1464, 0.3368, 0.2823



18.9077, 0.3302, 0.3391



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.



59.9021, 0.3681, 0.3579



66.0719, 0.3816, 0.3637



76.3310, 0.3585, 0.3919



15.9975, 0.3283, 0.3381



14.1084, 0.5744, 0.3821



1.2886, 0.5486, 0.4026

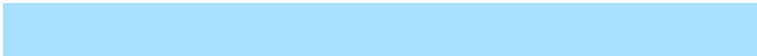


# Inverse Universe

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



61.1564, 0.2679, 0.2981



67.7518, 0.2594, 0.2913



46.4254, 0.2635, 0.2571



16.0990, 0.2981, 0.3198



14.8977, 0.1886, 0.1989



1.3547, 0.1941, 0.2189



# Previews

## White Background



This preview shows how the Yxy color 59.8993, 0.3681, 0.3579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

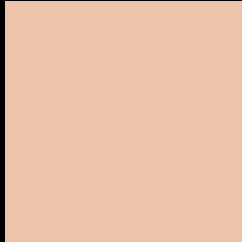
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8993, 0.3681, 0.3579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

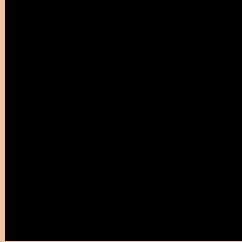
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.8993, 0.3681, 0.3579**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.8993, 0.3681, 0.3579.



This preview shows how white text looks on a background with the Yxy color 59.8993, 0.3681, 0.3579.

# 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

59.8993, 0.3681, 0.3579

### Protanopia

60.0251, 0.3436, 0.3642

### Deuteranopia

60.0066, 0.3661, 0.3592



## Tritanopia

59.9355, 0.3431, 0.3130

# Trichromacy



**Original Color**

59.8993, 0.3681, 0.3579

**Protanomaly**

59.8167, 0.3517, 0.3613

**Deuteranomaly**

60.1773, 0.3669, 0.3591

**Tritanomaly**

60.0303, 0.3525, 0.3291

# Monochromacy



**Original Color**

59.8993, 0.3681, 0.3579

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

60.3308, 0.3320, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8993, 0.3681, 0.3579 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(237, 195, 169)` looks like.

```
.text, #text, p{  
    color:rgb(237, 195, 169)  
}
```

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(237, 195, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 195, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8993, 0.3681, 0.3579 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(237, 195, 169) }
```

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

```
.border{ border-color:rgb(237, 195, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 195, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 195, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 195, 169);  
box-shadow:4px 4px 4px 4px rgb(237, 195,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8993, 0.3681, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 195, 169) }
```

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

```
.background{ background-color: rgb(237,  
195, 169) }
```

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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