

# Converting Colors

$Yxy(48.8351, 0.3541, 0.3637)$

Have a look what the booklet for  
Yxy(48.8351, 0.3541, 0.3637)  
contains.

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# Color

**Yxy(49.0709, 0.3543, 0.3641)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB79B
RGB	204, 183, 155
RGB Percent	80%, 72%, 61%
CMY	0.2000, 0.2823, 0.3923
CMYK	0.00, 0.10, 0.24, 0.20
HSL	34°, 32%, 70%
HSV	34°, 24%, 80%
XYZ	47.7501, 49.0709, 37.9521
YIQ	186.0870, 21.5040, -4.2560

# Conversions

## Conversions Part 2

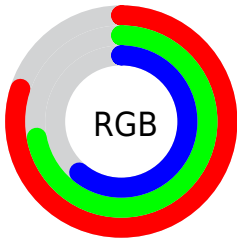
Format	Color
<a href="#">RYB</a>	<a href="#">192, 204, 155</a>
Decimal	<a href="#">13416347</a>
CIELab	<a href="#">75.50, 3.10, 17.00</a>
CIELCh	<a href="#">75, 17.279, 79.654</a>
Yxy	<a href="#">49.0709, 0.3543, 0.3641</a>
Android (android.graphics.Color)	<a href="#">4291606427 (0xFFCCB79B)</a>
YUV	<a href="#">186.0870, -15.3259, 15.7097</a>
Hunter-Lab	<a href="#">70.0506, -0.9138, 16.9132</a>

# Details

The Yxy color  $49.0709, 0.3543, 0.3641$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $42.3633, 0.2744, 0.2912$ , and the grayscale version is  $49.2328, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.6461, 0.3420, 0.3579$ , and  $23.3543, 0.3653, 0.3729$  is the 20% darker color. If you saturate the color by 10%, you get  $44.9520, 0.3750, 0.3794$ , and if you desaturate by 10%, it is  $53.5338, 0.3356, 0.3490$ .

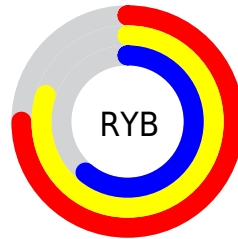
# Distribution



Red (80%)

Green (72%)

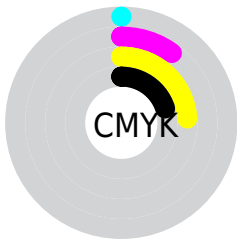
Blue (61%)



Red (75%)

Yellow (80%)

Blue (61%)

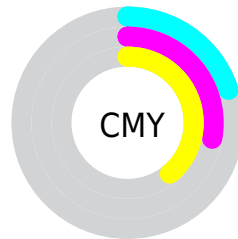


Cyan (0%)

Magenta (10%)

Yellow (24%)

Black (20%)



Cyan (20%)

Magenta (28%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0709, 0.3543, 0.3641 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 49.0709, 0.3543, 0.3641 by changing the saturation by 10% instead.




 49.0709, 0.3543,  
0.3641


 49.0709, 0.3543,  
0.3641


383.0214, 0.3337,  
0.3469

 34.6757, 0.3594,  
0.3683


 88.7967, 0.3468,  
0.3579

 23.4132, 0.3659,  
0.3735


 114.8962, 0.3440,  
0.3556

 14.8989, 0.3744,  
0.3804


145.6659, 0.3416,  
0.3536

 8.7485, 0.3861,  
0.3896

181.4902, 0.3396,  
0.3519

 4.5775, 0.4030,  
0.4027

222.7535, 0.3378,  
0.3504

 2.0016, 0.4316,  
0.4243

269.8402, 0.3363,

 0.6084, 0.5181,

0.3491

0.4819

323.1347, 0.3349,  
0.3479

0.0000, 0.0000,  
0.0000

49.0709, 0.3543,  
0.3641

49.0709, 0.3543,  
0.3641

44.9520, 0.3750,  
0.3794

53.5338, 0.3356,  
0.3490

41.1604, 0.3976,  
0.3943

58.3432, 0.3189,  
0.3346

37.6881, 0.4215,  
0.4080

63.5104, 0.3041,  
0.3210

34.5237, 0.4459,  
0.4193

69.0437, 0.2911,  
0.3084

31.6551, 0.4698,  
0.4271

74.8237, 0.2808,  
0.2987

■ 29.0687, 0.4918,  
0.4302

■ 79.7155, 0.2814,  
0.3082

■ 26.7488, 0.5106,  
0.4280

■ 84.8531, 0.2820,  
0.3175

■ 25.4780, 0.5206,  
0.4248

■ 90.2400, 0.2826,  
0.3267

■ 91.5777, 0.2827,  
0.3289

# Harmonies

## Analogous

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



49.0709, 0.3599, 0.3482



49.0709, 0.3543, 0.3641



49.0709, 0.3374, 0.3711

# Triad

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



49.0709, 0.3543, 0.3641



49.0709, 0.2745, 0.3277



49.0709, 0.3098, 0.2953

# Complementary

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



49.0709, 0.3543, 0.3641



42.3633, 0.2744, 0.2912

# 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.



49.0709, 0.2875, 0.2894



49.0709, 0.3543, 0.3641



49.0709, 0.2677, 0.3071

# Square

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



49.0709, 0.3543, 0.3641



49.0709, 0.2913, 0.3498



49.0709, 0.2723, 0.2934



49.0709, 0.3337, 0.3093



# Rectangle

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



49.0709, 0.3543, 0.3641



49.0709, 0.3223, 0.3692



49.0709, 0.2723, 0.2934



49.0709, 0.3018, 0.2923

# Sweetspot

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



49.0731, 0.3543, 0.3641



94.1229, 0.3238, 0.3389



39.4142, 0.3412, 0.3024



20.0407, 0.3248, 0.3398



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.



49.0731, 0.3543, 0.3641



77.5521, 0.3651, 0.3723



57.9331, 0.3460, 0.3890



12.2607, 0.3276, 0.3422



16.2238, 0.5188, 0.4263



0.9857, 0.4943, 0.4457



# Inverse Universe

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



42.3633, 0.2744, 0.2912



64.4957, 0.2655, 0.2814



35.0865, 0.2747, 0.2622



11.6207, 0.2983, 0.3154



7.2474, 0.1712, 0.1361



0.5235, 0.1819, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 49.0709, 0.3543, 0.3641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

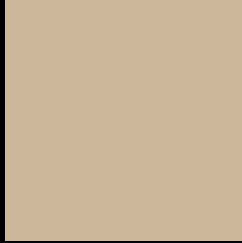
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0709, 0.3543, 0.3641 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 49.0709, 0.3543, 0.3641**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0709, 0.3543, 0.3641.



This preview shows how white text looks on a background with the Yxy color 49.0709, 0.3543, 0.3641.

# 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

49.0709, 0.3543, 0.3641

### Protanopia

49.2539, 0.3455, 0.3673

### Deuteranopia

49.0876, 0.3646, 0.3570



## Tritanopia

49.0565, 0.3274, 0.3122

# Trichromacy



## Original Color

49.0709, 0.3543, 0.3641

## Protanomaly

49.2403, 0.3484, 0.3658

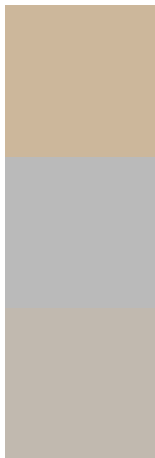
## Deuteranomaly

48.8917, 0.3607, 0.3585

## Tritanomaly

49.1626, 0.3372, 0.3303

# Monochromacy



## Original Color

49.0709, 0.3543, 0.3641

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.1305, 0.3275, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0709, 0.3543, 0.3641 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(204, 183, 155)` looks like.

```
.text, #text, p{  
    color:rgb(204, 183, 155)  
}
```

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(204, 183, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 183, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0709, 0.3543, 0.3641 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(204, 183, 155) }
```

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

```
.border{ border-color:rgb(204, 183, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 183, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 183, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 183, 155);  
box-shadow:4px 4px 4px 4px rgb(204, 183,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0709, 0.3543, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 183, 155) }
```

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

```
.background{ background-color: rgb(204,  
183, 155) }
```

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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