

# Converting Colors

$Yxy(46.6079, 0.3657, 0.3722)$

Have a look what the booklet for  
Yxy(46.6079, 0.3657, 0.3722)  
contains.

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# Color

**Yxy(46.6918, 0.3653, 0.3720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB290
RGB	204, 178, 144
RGB Percent	80%, 70%, 56%
CMY	0.2001, 0.3019, 0.4354
CMYK	0.00, 0.13, 0.29, 0.20
HSL	34°, 37%, 68%
HSV	34°, 29%, 80%
XYZ	45.8508, 46.6918, 32.9729
YIQ	181.8980, 26.4100, -5.0620

# Conversions

## Conversions Part 2

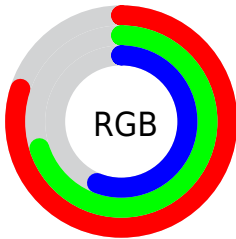
Format	Color
R <sub>Y</sub> B	190, 204, 144
Decimal	13415056
CIE Lab	73.99, 4.24, 20.85
CIE LCh	74, 21.280, 78.503
Yxy	46.6918, 0.3653, 0.3720
Android (android.graphics.Color)	4291605136 (0xFFCCB290)
YUV	181.8980, -18.6837, 19.3835
Hunter-Lab	68.3314, 0.1948, 19.2219

# Details

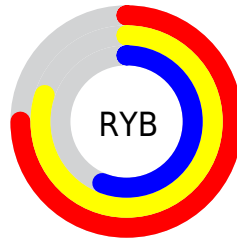
The Yxy color **46.6918, 0.3653, 0.3720** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0155, 0.2654, 0.2817**, and the grayscale version is **46.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1829, 0.3509, 0.3653**, and **21.8471, 0.3809, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **42.7246, 0.3871, 0.3871**, and if you desaturate by 10%, it is **51.0021, 0.3454, 0.3569**.

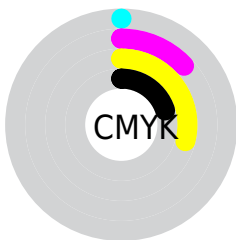
# Distribution



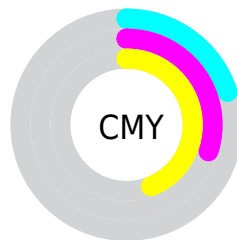
- Red (80%)
- Green (70%)
- Blue (56%)



- Red (75%)
- Yellow (80%)
- Blue (56%)



- Cyan (0%)
- Magenta (13%)
- Yellow (29%)
- Black (20%)




- Cyan (20%)
- Magenta (30%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6918, 0.3653, 0.3720 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 46.6918, 0.3653, 0.3720 by changing the saturation by 10% instead.





 46.6918, 0.3653,  
0.3720

 46.6918, 0.3653,  
0.3720


373.5830, 0.3390,  
0.3509

 32.7921, 0.3718,  
0.3771


 85.2534, 0.3558,  
0.3644

 21.9672, 0.3801,  
0.3835


 110.6841, 0.3522,  
0.3616

 13.8328, 0.3910,  
0.3918


140.7272, 0.3491,  
0.3591

 8.0045, 0.4060,  
0.4029

175.7671, 0.3465,  
0.3570

 4.0978, 0.4274,  
0.4181

216.1882, 0.3443,  
0.3552

 1.7284, 0.4805,  
0.4588

262.3750, 0.3423,

 0.4420, 0.5423,

0.3536

0.4577

314.7118, 0.3406,  
0.3522

0.0000, 0.0000,  
0.0000

46.6918, 0.3653,  
0.3720

46.6918, 0.3653,  
0.3720

42.7246, 0.3871,  
0.3871

51.0021, 0.3454,  
0.3569

39.0838, 0.4106,  
0.4013

55.6587, 0.3276,  
0.3422

35.7604, 0.4351,  
0.4138

60.6730, 0.3118,  
0.3282

32.7427, 0.4596,  
0.4233

66.0539, 0.2979,  
0.3151

30.0176, 0.4829,  
0.4286

71.8098, 0.2857,  
0.3031

■ 27.5705, 0.5035,  
0.4288

■ 77.1949, 0.2811,  
0.3034

■ 25.3790, 0.5209,  
0.4241

■ 82.2611, 0.2817,  
0.3129

■ 25.2572, 0.5219,  
0.4238

■ 87.5802, 0.2823,  
0.3223

■ 91.5745, 0.2827,  
0.3289

# Harmonies

## Analogous

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



46.6918, 0.3719, 0.3516



46.6918, 0.3653, 0.3720



46.6918, 0.3443, 0.3819

# Triad

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



46.6918, 0.3653, 0.3720



46.6918, 0.2657, 0.3282



46.6918, 0.3077, 0.2869

# Complementary

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



46.6918, 0.3653, 0.3720



39.0155, 0.2654, 0.2817

# 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.



46.6918, 0.2802, 0.2799



46.6918, 0.3653, 0.3720



46.6918, 0.2569, 0.3021

# Square

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



46.6918, 0.3653, 0.3720



46.6918, 0.2869, 0.3562



46.6918, 0.2621, 0.2850



46.6918, 0.3378, 0.3037



# Rectangle

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



46.6918, 0.3653, 0.3720



46.6918, 0.3255, 0.3801



46.6918, 0.2621, 0.2850



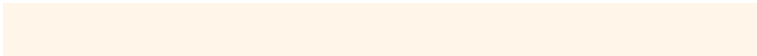
46.6918, 0.2978, 0.2833

# Sweetspot

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



46.6939, 0.3653, 0.3720



92.4350, 0.3271, 0.3417



35.6767, 0.3496, 0.2961



19.5331, 0.3296, 0.3439



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.



46.6939, 0.3653, 0.3720



73.3084, 0.3783, 0.3812



57.4657, 0.3534, 0.4027



12.2520, 0.3276, 0.3421



16.0888, 0.5201, 0.4252



0.9791, 0.4952, 0.4450



# Inverse Universe

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



39.0155, 0.2654, 0.2817



58.6639, 0.2552, 0.2702



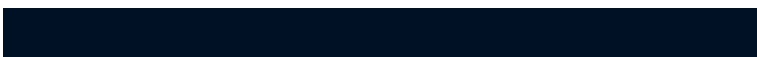
30.5934, 0.2647, 0.2449



11.6292, 0.2983, 0.3155



7.3440, 0.1716, 0.1375

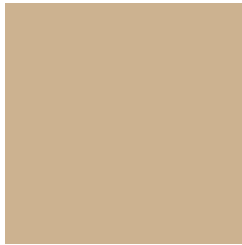


0.5287, 0.1822, 0.1760



# Previews

## White Background



This preview shows how the Yxy color 46.6918, 0.3653, 0.3720 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 46.6918, 0.3653, 0.3720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

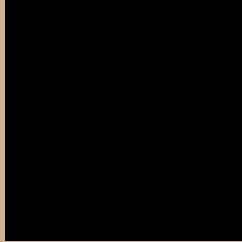
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.6918, 0.3653, 0.3720**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6918, 0.3653, 0.3720.



This preview shows how white text looks on a background with the Yxy color 46.6918, 0.3653, 0.3720.

# 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

46.6918, 0.3653, 0.3720

### Protanopia

46.8687, 0.3521, 0.3758

### Deuteranopia

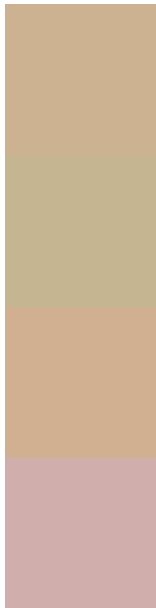
46.7013, 0.3730, 0.3660



## Tritanopia

46.6055, 0.3342, 0.3121

# Trichromacy



## Original Color

46.6918, 0.3653, 0.3720

## Protanomaly

46.9624, 0.3569, 0.3753

## Deuteranomaly

46.6503, 0.3698, 0.3676

## Tritanomaly

46.4778, 0.3453, 0.3328

# Monochromacy



## Original Color

46.6918, 0.3653, 0.3720

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.8220, 0.3311, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6918, 0.3653, 0.3720 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, 178, 144)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 144)  
}
```

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, 178, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6918, 0.3653, 0.3720 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, 178, 144) }
```

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

```
.border{ border-color:rgb(204, 178, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 178, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 144);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6918, 0.3653, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 144) }
```

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

```
.background{ background-color: rgb(204,  
178, 144) }
```

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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