

# Converting Colors

$Yxy(46.6401, 0.3534, 0.3977)$

Have a look what the booklet for  
Yxy(46.6401, 0.3534, 0.3977)  
contains.

<b>Yxy(46.6095, 0.3528, 0.3970)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.6095, 0.3528, 0.3970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B986
RGB	184, 185, 134
RGB Percent	72%, 73%, 53%
CMY	0.2784, 0.2745, 0.4744
CMYK	0.01, 0.00, 0.28, 0.27
HSL	61°, 27%, 63%
HSV	61°, 28%, 73%
XYZ	41.4202, 46.6095, 29.3746
YIQ	178.8870, 15.7750, -16.0730

# Conversions

## Conversions Part 2

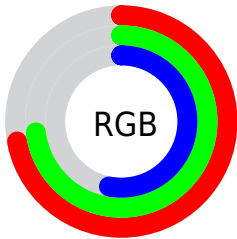
Format	Color
<b>RYB</b>	134, 185, 135
Decimal	12106118
CIELab	73.94, -8.59, 25.84
CIELCh	74, 27.228, 108.394
Yxy	46.6095, 0.3528, 0.3970
Android (android.graphics.Color)	4290296198 (0xFFB8B986)
YUV	178.8870, -22.1293, 4.4841
Hunter-Lab	68.2712, -11.1782, 22.2795

# Details

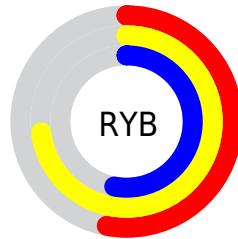
The Yxy color **46.6095, 0.3528, 0.3970** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.7117, 0.2664, 0.2510**, and the grayscale version is **45.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2422, 0.3459, 0.3839**, and **21.8884, 0.3626, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **46.0947, 0.3670, 0.4213**, and if you desaturate by 10%, it is **47.2189, 0.3381, 0.3720**.

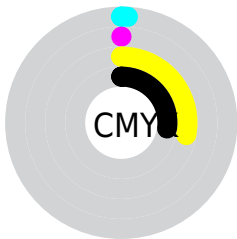
# Distribution



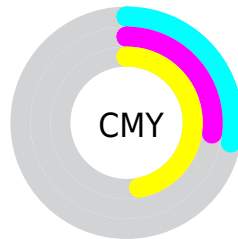
- Red (72%)
- Green (73%)
- Blue (53%)



- Red (53%)
- Yellow (73%)
- Blue (53%)



- Cyan (1%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)




- Cyan (28%)
- Magenta (27%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6095, 0.3528, 0.3970 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 46.6095, 0.3528, 0.3970 by changing the saturation by 10% instead.





 46.6095, 0.3528,  
0.3970

 46.6095, 0.3528,  
0.3970


373.2537, 0.3333,  
0.3626


 32.7271, 0.3574,  
0.4056


 85.1304, 0.3459,  
0.3844

 21.9174, 0.3632,  
0.4167


 110.5377, 0.3432,  
0.3797

 13.7962, 0.3705,  
0.4314


 140.5554, 0.3410,  
0.3758

 7.9791, 0.3798,  
0.4516

175.5679, 0.3390,  
0.3724

 4.0816, 0.3918,  
0.4806

215.9595, 0.3373,  
0.3694

 1.7193, 0.4360,  
0.5640

262.1148, 0.3358,

 0.4361, 0.3195,

0.3668

0.6805

314.4180, 0.3345,  
0.3646

0.0000, 0.0000,  
0.0000

46.6095, 0.3528,  
0.3970

46.6095, 0.3528,  
0.3970

46.0947, 0.3670,  
0.4213

47.2189, 0.3381,  
0.3720

45.6635, 0.3802,  
0.4441

47.9210, 0.3235,  
0.3473

45.3129, 0.3919,  
0.4643


48.7220, 0.3093,  
0.3232


45.0373, 0.4015,  
0.4811

49.6257, 0.2958,  
0.3004

44.8301, 0.4087,  
0.4939


50.6358, 0.2831,  
0.2792

 44.6840, 0.4132,  
0.5024


 51.7556, 0.2714,  
0.2595

 44.5877, 0.4155,  
0.5071

 52.4274, 0.2656,  
0.2497

 44.5671, 0.4159,  
0.5080

 52.4732, 0.2659,  
0.2497

 52.5192, 0.2661,  
0.2498

# Harmonies

## Analogous

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



46.6095, 0.3799, 0.3832



46.6095, 0.3528, 0.3970



46.6095, 0.3159, 0.3908

# Triad

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



46.6095, 0.3528, 0.3970



46.6095, 0.2422, 0.2941



46.6095, 0.3445, 0.2968

# Complementary

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



46.6095, 0.3528, 0.3970



25.7117, 0.2664, 0.2510

# 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.



46.6095, 0.3058, 0.2759



46.6095, 0.3528, 0.3970



46.6095, 0.2486, 0.2730

# Square

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



46.6095, 0.3528, 0.3970



46.6095, 0.2531, 0.3276



46.6095, 0.2711, 0.2671



46.6095, 0.3756, 0.3256



# Rectangle

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



46.6095, 0.3528, 0.3970



46.6095, 0.2910, 0.3749



46.6095, 0.2711, 0.2671



46.6095, 0.3318, 0.2888

# Sweetspot

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



46.6116, 0.3528, 0.3970



85.7457, 0.3243, 0.3487



29.3283, 0.3713, 0.3304



18.4423, 0.3265, 0.3523



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



46.6116, 0.3528, 0.3970



82.9047, 0.3614, 0.4117



43.7577, 0.3300, 0.4023



10.4941, 0.3261, 0.3516



30.3488, 0.4160, 0.5079



1.0727, 0.4169, 0.5072



# Inverse Universe

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



25.7117, 0.2664, 0.2510



39.3210, 0.2545, 0.2311



28.0697, 0.2907, 0.2562



8.7277, 0.2987, 0.3054



2.4048, 0.1508, 0.0604



0.0876, 0.1538, 0.0621



# Previews

## White Background



This preview shows how the Yxy color 46.6095, 0.3528, 0.3970 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 46.6095, 0.3528, 0.3970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

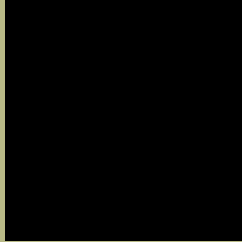
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.6095, 0.3528, 0.3970**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6095, 0.3528, 0.3970.



This preview shows how white text looks on a background with the Yxy color 46.6095, 0.3528, 0.3970.

# 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

46.6095, 0.3528, 0.3970

### Protanopia

46.3158, 0.3660, 0.3925

### Deuteranopia

46.3458, 0.3834, 0.3756



## Tritanopia

46.6787, 0.3135, 0.3126

# Trichromacy



## Original Color

46.6095, 0.3528, 0.3970

## Protanomaly

46.2257, 0.3611, 0.3932

## Deuteranomaly

46.2866, 0.3722, 0.3835

## Tritanomaly

46.6414, 0.3277, 0.3433

# Monochromacy



## Original Color

46.6095, 0.3528, 0.3970

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.5158, 0.3273, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6095, 0.3528, 0.3970 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(184, 185, 134)` looks like.

```
.text, #text, p{  
    color:rgb(184, 185, 134)  
}
```

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(184, 185, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 185, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6095, 0.3528, 0.3970 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(184, 185, 134) }
```

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

```
.border{ border-color:rgb(184, 185, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 185, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 185, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 185, 134);  
box-shadow:4px 4px 4px 4px rgb(184, 185,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6095, 0.3528, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 185, 134) }
```

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

```
.background{ background-color: rgb(184,  
185, 134) }
```

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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