

# Converting Colors

$Yxy(46.4193, 0.3472, 0.3427)$

Have a look what the booklet for  
Yxy(46.4193, 0.3472, 0.3427)  
contains.

<b>Yxy(46.6046, 0.3474, 0.3429)</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(46.6046, 0.3474, 0.3429)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB0A5
RGB	204, 176, 165
RGB Percent	80%, 69%, 65%
CMY	0.2000, 0.3098, 0.3530
CMYK	0.00, 0.14, 0.19, 0.20
HSL	17°, 28%, 72%
HSV	17°, 19%, 80%
XYZ	47.2162, 46.6046, 42.0923
YIQ	183.1180, 20.2190, 2.5150

# Conversions

## Conversions Part 2

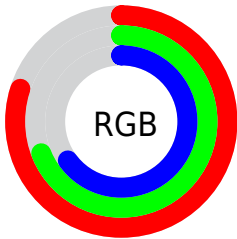
Format	Color
<a href="#">RYB</a>	<a href="#">204, 180, 165</a>
Decimal	<a href="#">13414565</a>
CIELab	<a href="#">73.94, 8.34, 9.37</a>
CIELCh	<a href="#">74, 12.540, 48.330</a>
Yxy	<a href="#">46.6046, 0.3474, 0.3429</a>
Android (android.graphics.Color)	<a href="#">4291604645</a> ( <a href="#">0xFFCCB0A5</a> )
YUV	<a href="#">183.1180, -8.9322, 18.3135</a>
Hunter-Lab	<a href="#">68.2676, 3.9885, 11.2304</a>

# Details

The Yxy color **46.6046, 0.3474, 0.3429** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.4808, 0.2835, 0.3147**, and the grayscale version is **47.4637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1405, 0.3365, 0.3410**, and **21.7477, 0.3574, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **40.4897, 0.3706, 0.3507**, and if you desaturate by 10%, it is **53.4607, 0.3278, 0.3354**.

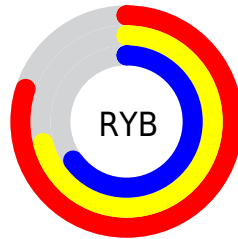
# Distribution



Red (80%)

Green (69%)

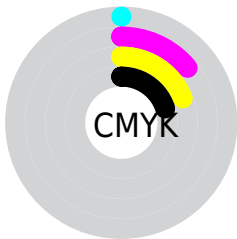
Blue (65%)



Red (80%)

Yellow (71%)

Blue (65%)

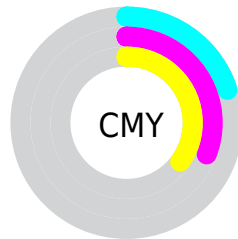


Cyan (0%)

Magenta (14%)

Yellow (19%)

Black (20%)



Cyan (20%)

Magenta (31%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6046, 0.3474, 0.3429 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 46.6046, 0.3474, 0.3429 by changing the saturation by 10% instead.





 46.6046, 0.3474,  
0.3429


 46.6046, 0.3474,  
0.3429


373.2340, 0.3299,  
0.3362

 32.7232, 0.3518,  
0.3445


 85.1231, 0.3410,  
0.3405

 21.9145, 0.3575,  
0.3465


 110.5290, 0.3386,  
0.3396

 13.7941, 0.3650,  
0.3491


140.5452, 0.3366,  
0.3388

 7.9776, 0.3756,  
0.3526

175.5560, 0.3349,  
0.3381

 4.0806, 0.3915,  
0.3575

215.9459, 0.3334,  
0.3376

 1.7188, 0.4180,  
0.3644

262.0993, 0.3321,

 0.4358, 0.5864,

0.3370

0.4136

314.4005, 0.3310,  
0.3366

0.0000, 0.0000,  
0.0000

46.6046, 0.3474,  
0.3429

46.6046, 0.3474,  
0.3429

40.4897, 0.3706,  
0.3507

53.4607, 0.3278,  
0.3354

35.0846, 0.3979,  
0.3585

61.0756, 0.3114,  
0.3284

30.3648, 0.4294,  
0.3657

69.4742, 0.2976,  
0.3219

26.3020, 0.4646,  
0.3715

78.6783, 0.2860,  
0.3160

22.8658, 0.5022,  
0.3749

87.9133, 0.2823,  
0.3228

■ 20.0231, 0.5395,  
0.3746

■ 91.5770, 0.2827,  
0.3289

■ 17.7376, 0.5729,  
0.3699

■ 15.9637, 0.5993,  
0.3614

■ 15.8305, 0.6014,  
0.3607

# Harmonies

## Analogous

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



46.6046, 0.3414, 0.3280



46.6046, 0.3474, 0.3429



46.6046, 0.3438, 0.3547

# Triad

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



46.6046, 0.3474, 0.3429



46.6046, 0.2977, 0.3449



46.6046, 0.2934, 0.2995

# Complementary

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



46.6046, 0.3474, 0.3429



50.4808, 0.2835, 0.3147

# 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.



46.6046, 0.2824, 0.3030



46.6046, 0.3474, 0.3429



46.6046, 0.2848, 0.3290

# Square

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



46.6046, 0.3474, 0.3429



46.6046, 0.3148, 0.3564



46.6046, 0.2792, 0.3136



46.6046, 0.3099, 0.3035



# Rectangle

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



46.6046, 0.3474, 0.3429



46.6046, 0.3365, 0.3591



46.6046, 0.2792, 0.3136



46.6046, 0.2890, 0.2998

# Sweetspot

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



46.6067, 0.3474, 0.3429



92.2503, 0.3225, 0.3332



43.6154, 0.3239, 0.2940



19.5709, 0.3236, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

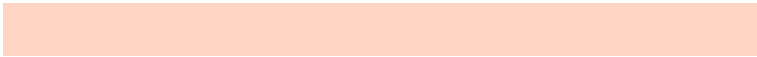


# Same Dimension

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



46.6067, 0.3474, 0.3429



72.8157, 0.3566, 0.3461



54.5348, 0.3432, 0.3657



11.7216, 0.3283, 0.3356



10.1020, 0.5989, 0.3626



0.6519, 0.5596, 0.3939

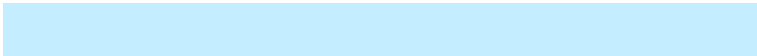


# Inverse Universe

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



50.4808, 0.2835, 0.3147



80.3956, 0.2772, 0.3112



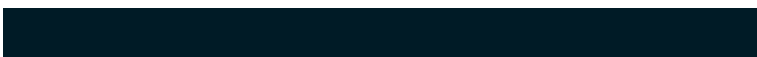
42.6597, 0.2820, 0.2894



12.1701, 0.2983, 0.3223



15.9111, 0.1987, 0.2351



0.9456, 0.2043, 0.2556



# Previews

## White Background



This preview shows how the Yxy color 46.6046, 0.3474, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

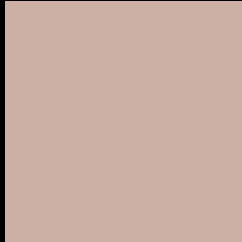
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.6046, 0.3474, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

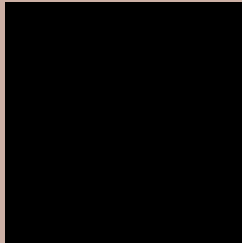
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.6046, 0.3474, 0.3429**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6046, 0.3474, 0.3429.



This preview shows how white text looks on a background with the Yxy color 46.6046, 0.3474, 0.3429.

# 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

46.6046, 0.3474, 0.3429

### Protanopia

46.5663, 0.3294, 0.3460

### Deuteranopia

46.4984, 0.3495, 0.3416



## Tritanopia

46.6977, 0.3323, 0.3132

# Trichromacy



## Original Color

46.6046, 0.3474, 0.3429

## Protanomaly

46.4996, 0.3359, 0.3445

## Deuteranomaly

46.3557, 0.3485, 0.3416

## Tritanomaly

46.6083, 0.3382, 0.3241

# Monochromacy



## Original Color

46.6046, 0.3474, 0.3429

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.8535, 0.3255, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6046, 0.3474, 0.3429 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, 176, 165)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 165)  
}
```

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, 176, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6046, 0.3474, 0.3429 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, 176, 165) }
```

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

```
.border{ border-color:rgb(204, 176, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 176, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 165);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6046, 0.3474, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 165) }
```

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

```
.background{ background-color: rgb(204,  
176, 165) }
```

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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