

# Converting Colors

$Yxy(46.1072, 0.3582, 0.3363)$

Have a look what the booklet for  
Yxy(46.1072, 0.3582, 0.3363)  
contains.

<b>Yxy(46.1386, 0.3579, 0.3364)</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(46.1386, 0.3579, 0.3364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6ABA5
RGB	214, 171, 165
RGB Percent	84%, 67%, 65%
CMY	0.1608, 0.3294, 0.3528
CMYK	0.00, 0.20, 0.23, 0.16
HSL	7°, 37%, 74%
HSV	7°, 23%, 84%
XYZ	49.0874, 46.1386, 41.9280
YIQ	183.1730, 27.5540, 7.2500

# Conversions

## Conversions Part 2

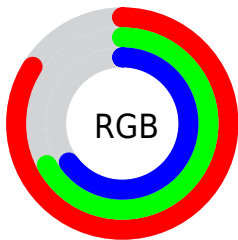
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 172, 165
Decimal	14068645
CIE Lab	73.64, 14.80, 9.04
CIE LCh	74, 17.339, 31.418
Yxy	46.1386, 0.3579, 0.3364
Android (android.graphics.Color)	4292258725 (0xFFD6ABA5)
YUV	183.1730, -8.9593, 27.0353
Hunter-Lab	67.9254, 10.1265, 10.9501

# Details

The Yxy color  $46.1386, 0.3579, 0.3364$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $57.9794, 0.2784, 0.3215$ , and the grayscale version is  $47.4944, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.8200, 0.3373, 0.3351$ , and  $21.7568, 0.3719, 0.3389$  is the 20% darker color. If you saturate the color by 10%, you get  $38.8247, 0.3852, 0.3399$ , and if you desaturate by 10%, it is  $54.5960, 0.3355, 0.3330$ .

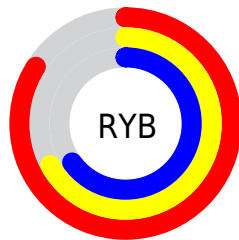
# Distribution



Red (84%)

Green (67%)

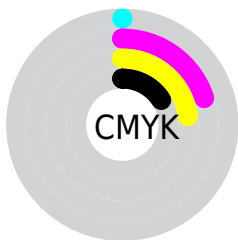
Blue (65%)



Red (84%)

Yellow (67%)

Blue (65%)

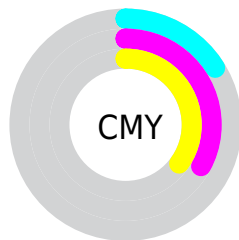


Cyan (0%)

Magenta (20%)

Yellow (23%)

Black (16%)



Cyan (16%)

Magenta (33%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1386, 0.3579, 0.3364 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 46.1386, 0.3579, 0.3364 by changing the saturation by 10% instead.





 46.1386, 0.3579,  
0.3364


 46.1386, 0.3579,  
0.3364


371.3656, 0.3351,  
0.3331

 32.3552, 0.3637,  
0.3371


 84.4264, 0.3496,  
0.3353

 21.6330, 0.3711,  
0.3379


 109.6996, 0.3464,  
0.3348

 13.5875, 0.3810,  
0.3389


139.5715, 0.3438,  
0.3344

 7.8343, 0.3950,  
0.3401

174.4265, 0.3416,  
0.3341

 3.9891, 0.4161,  
0.3412

214.6490, 0.3396,  
0.3338

 1.6675, 0.4510,  
0.3416

260.6234, 0.3379,

 0.4025, 0.6489,

0.3335

0.3511

312.7342, 0.3364,  
0.3333

0.0000, 0.0000,  
0.0000

46.1386, 0.3579,  
0.3364

46.1386, 0.3579,  
0.3364

38.8247, 0.3852,  
0.3399

54.5960, 0.3355,  
0.3330

32.5991, 0.4180,  
0.3432

64.2364, 0.3173,  
0.3299

27.4115, 0.4564,  
0.3460

75.1053, 0.3024,  
0.3270

23.2054, 0.4994,  
0.3477

87.2437, 0.2903,  
0.3243

19.9183, 0.5439,  
0.3477

93.0359, 0.2883,  
0.3289

■ 17.4811, 0.5847,  
0.3455

■ 15.8143, 0.6158,  
0.3410

■ 15.0399, 0.6306,  
0.3375

# Harmonies

## Analogous

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



46.1386, 0.3427, 0.3161



46.1386, 0.3579, 0.3364



46.1386, 0.3604, 0.3558

# Triad

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



46.1386, 0.3579, 0.3364



46.1386, 0.3047, 0.3616



46.1386, 0.2763, 0.2897

# Complementary

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



46.1386, 0.3579, 0.3364



57.9794, 0.2784, 0.3215

# 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.



46.1386, 0.2671, 0.2999



46.1386, 0.3579, 0.3364



46.1386, 0.2830, 0.3417

# Square

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



46.1386, 0.3579, 0.3364



46.1386, 0.3291, 0.3717



46.1386, 0.2695, 0.3188



46.1386, 0.2952, 0.2898



# Rectangle

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



46.1386, 0.3579, 0.3364



46.1386, 0.3546, 0.3657



46.1386, 0.2695, 0.3188



46.1386, 0.2720, 0.2920

# Sweetspot

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



46.1407, 0.3579, 0.3364



89.3088, 0.3245, 0.3312



45.7840, 0.3202, 0.2786



18.9275, 0.3256, 0.3314



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.



46.1407, 0.3579, 0.3364



63.6418, 0.3692, 0.3379



56.1450, 0.3516, 0.3650



12.6625, 0.3288, 0.3319



9.1720, 0.6290, 0.3388



0.6360, 0.6033, 0.3592



# Inverse Universe

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



57.9794, 0.2784, 0.3215



83.9532, 0.2723, 0.3199



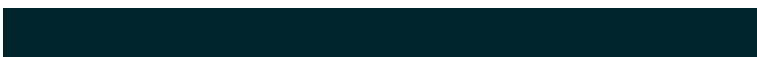
47.0548, 0.2760, 0.2902



13.8371, 0.2983, 0.3261



24.7466, 0.2140, 0.2903



1.5670, 0.2160, 0.2976



# Previews

## White Background



This preview shows how the Yxy color 46.1386, 0.3579, 0.3364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

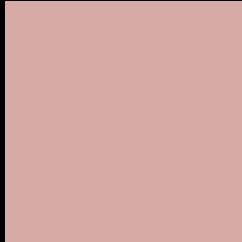
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.1386, 0.3579, 0.3364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

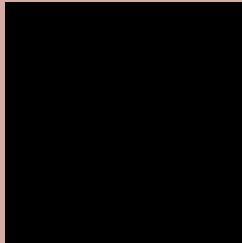
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.1386, 0.3579, 0.3364**

## Background



This preview shows how black text looks on a background with the Yxy color 46.1386, 0.3579, 0.3364.



This preview shows how white text looks on a background with the Yxy color 46.1386, 0.3579, 0.3364.

# 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

46.1386, 0.3579, 0.3364

### Protanopia

46.1096, 0.3270, 0.3421

### Deuteranopia

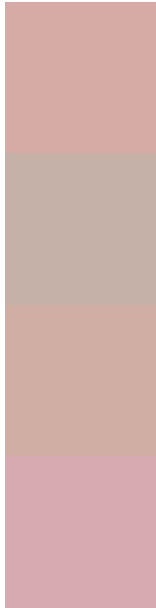
46.3194, 0.3494, 0.3428



## Tritanopia

45.9816, 0.3449, 0.3124

# Trichromacy



## Original Color

46.1386, 0.3579, 0.3364

## Protanomaly

46.1418, 0.3381, 0.3405

## Deuteranomaly

46.3623, 0.3525, 0.3415

## Tritanomaly

45.9576, 0.3492, 0.3207

# Monochromacy



## Original Color

46.1386, 0.3579, 0.3364

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.8441, 0.3283, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1386, 0.3579, 0.3364 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(214, 171, 165)` looks like.

```
.text, #text, p{  
    color:rgb(214, 171, 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(214, 171, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 171, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1386, 0.3579, 0.3364 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(214, 171, 165) }
```

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

```
.border{ border-color:rgb(214, 171, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 171, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 171, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 171, 165);  
box-shadow:4px 4px 4px 4px rgb(214, 171,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1386, 0.3579, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 171, 165) }
```

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

```
.background{ background-color: rgb(214,  
171, 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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