

# Converting Colors

Yxy(46.5357, 0.3623, 0.3165)

Have a look what the booklet for  
Yxy(46.5357, 0.3623, 0.3165)  
contains.

<b>Yxy(46.5388, 0.3623, 0.3164)</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(46.5388, 0.3623, 0.3164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4A5B0
RGB	228, 165, 176
RGB Percent	89%, 65%, 69%
CMY	0.1058, 0.3529, 0.3097
CMYK	0.00, 0.28, 0.23, 0.11
HSL	350°, 54%, 77%
HSV	350°, 28%, 89%
XYZ	53.2902, 46.5388, 47.2595
YIQ	185.0910, 34.0170, 16.7770

# Conversions

## Conversions Part 2

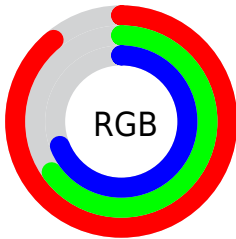
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">228, 165, 176</a>
Decimal	<a href="#">14984624</a>
CIELab	<a href="#">73.89, 24.82, 3.56</a>
CIELCh	<a href="#">74, 25.074, 8.165</a>
Yxy	<a href="#">46.5388, 0.3623, 0.3164</a>
Android (android.graphics.Color)	<a href="#">4293174704</a> ( <a href="#">0xFFE4A5B0</a> )
YUV	<a href="#">185.0910, -4.4819, 37.6312</a>
Hunter-Lab	<a href="#">68.2194, 20.0530, 6.6799</a>

# Details

The Yxy color **46.5388, 0.3623, 0.3164** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **68.5000, 0.2786, 0.3422**, and the grayscale version is **48.5822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2726, 0.3298, 0.3171**, and **21.9234, 0.3753, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **38.3421, 0.3886, 0.3117**, and if you desaturate by 10%, it is **56.3093, 0.3409, 0.3212**.

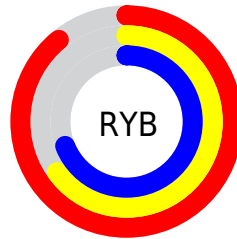
# Distribution



Red (89%)

Green (65%)

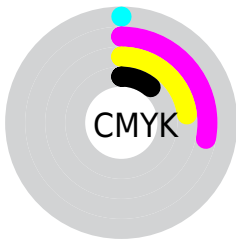
Blue (69%)



Red (89%)

Yellow (65%)

Blue (69%)

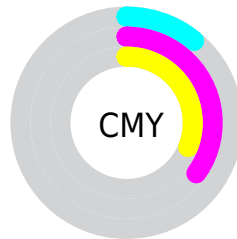


Cyan (0%)

Magenta (28%)

Yellow (23%)

Black (11%)



Cyan (11%)

Magenta (35%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5388, 0.3623, 0.3164 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 46.5388, 0.3623, 0.3164 by changing the saturation by 10% instead.




 46.5388, 0.3623,  
0.3164


 46.5388, 0.3623,  
0.3164

372.9706, 0.3374,  
0.3230

 32.6712, 0.3686,  
0.3147


 85.0248, 0.3532,  
0.3188

 21.8747, 0.3766,  
0.3125


 110.4120, 0.3498,  
0.3197

 13.7649, 0.3873,  
0.3094


140.4078, 0.3469,  
0.3205

 7.9573, 0.4024,  
0.3051

175.3967, 0.3445,  
0.3211

 4.0676, 0.4248,  
0.2983

215.7630, 0.3424,  
0.3217

 1.7115, 0.4619,  
0.2865

261.8912, 0.3405,

 0.4311, 0.6121,

0.3222

0.2567

314.1656, 0.3388,  
0.3226

0.0000, 0.0000,  
0.0000

46.5388, 0.3623,  
0.3164

46.5388, 0.3623,  
0.3164

38.3421, 0.3886,  
0.3117

56.3093, 0.3409,  
0.3212

31.6305, 0.4203,  
0.3074

67.7230, 0.3236,  
0.3257

26.3165, 0.4576,  
0.3041

80.8535, 0.3097,  
0.3300

22.3009, 0.4990,  
0.3026

94.9975, 0.2984,  
0.3327

19.4713, 0.5416,  
0.3039

95.2354, 0.2964,  
0.3290

■ 17.6957, 0.5805,  
0.3083

■ 16.7969, 0.6106,  
0.3154

■ 16.6479, 0.6164,  
0.3169

# Harmonies

## Analogous

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



46.5388, 0.3301, 0.2916



46.5388, 0.3623, 0.3164



46.5388, 0.3808, 0.3452

# Triad

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



46.5388, 0.3623, 0.3164



46.5388, 0.3279, 0.3899



46.5388, 0.2496, 0.2825

# Complementary

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



46.5388, 0.3623, 0.3164



68.5000, 0.2786, 0.3422

# 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.



46.5388, 0.2491, 0.3066



46.5388, 0.3623, 0.3164



46.5388, 0.2931, 0.3713

# Square

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



46.5388, 0.3623, 0.3164



46.5388, 0.3598, 0.3892



46.5388, 0.2646, 0.3396



46.5388, 0.2657, 0.2720



# Rectangle

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



46.5388, 0.3623, 0.3164



46.5388, 0.3823, 0.3636



46.5388, 0.2646, 0.3396



46.5388, 0.2476, 0.2891

# Sweetspot

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



46.5410, 0.3623, 0.3164



86.6308, 0.3243, 0.3255



47.1806, 0.3061, 0.2583



18.0389, 0.3267, 0.3249



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.



46.5410, 0.3623, 0.3164



53.8561, 0.3763, 0.3137



53.8900, 0.3667, 0.3521



14.4089, 0.3265, 0.3249



9.6244, 0.6133, 0.3152



0.7234, 0.5751, 0.2942



# Inverse Universe

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



46.5410, 0.3623, 0.3164



53.8561, 0.3763, 0.3137



58.7402, 0.2701, 0.3046



14.4089, 0.3265, 0.3249



9.6244, 0.6133, 0.3152

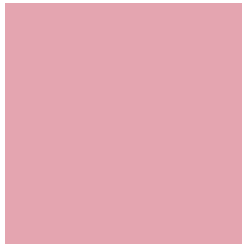


0.7234, 0.5751, 0.2942



# Previews

## White Background



This preview shows how the Yxy color 46.5388, 0.3623, 0.3164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

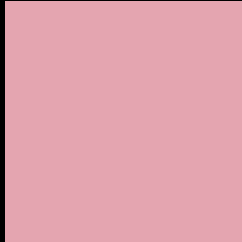
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.5388, 0.3623, 0.3164 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 46.5388, 0.3623, 0.3164**

## Background



This preview shows how black text looks on a background with the Yxy color 46.5388, 0.3623, 0.3164.



This preview shows how white text looks on a background with the Yxy color 46.5388, 0.3623, 0.3164.

# 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

46.5388, 0.3623, 0.3164

### Protanopia

46.7409, 0.3121, 0.3238

### Deuteranopia

46.6632, 0.3377, 0.3316



## Tritanopia

46.5786, 0.3614, 0.3153

# Trichromacy



## Original Color

46.5388, 0.3623, 0.3164

## Protanomaly

46.3167, 0.3291, 0.3203

## Deuteranomaly

46.4491, 0.3458, 0.3254

## Tritanomaly

46.5786, 0.3614, 0.3153

# Monochromacy



## Original Color

46.5388, 0.3623, 0.3164

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.6357, 0.3296, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.5388, 0.3623, 0.3164 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(228, 165, 176)` looks like.

```
.text, #text, p{  
    color:rgb(228, 165, 176)  
}
```

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(228, 165, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 165, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 46.5388, 0.3623, 0.3164 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(228, 165, 176) }
```

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

```
.border{ border-color:rgb(228, 165, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 165, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 165, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 165, 176);  
box-shadow:4px 4px 4px 4px rgb(228, 165,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.5388, 0.3623, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 165, 176) }
```

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

```
.background{ background-color: rgb(228,  
165, 176) }
```

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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