

# Converting Colors

$Y_{xy}(45.1046, 0.3621, 0.3140)$

Have a look what the booklet for  
Yxy(45.1046, 0.3621, 0.3140)  
contains.

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# Color

**Yxy(45.1046, 0.3621, 0.3140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A2AF
RGB	226, 162, 175
RGB Percent	89%, 64%, 69%
CMY	0.1139, 0.3646, 0.3137
CMYK	0.00, 0.28, 0.23, 0.11
HSL	348°, 52%, 76%
HSV	348°, 28%, 89%
XYZ	52.0139, 45.1046, 46.5267
YIQ	182.6180, 33.9710, 17.6110

# Conversions

## Conversions Part 2

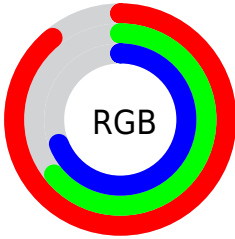
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 162, 175
Decimal	14852783
CIE Lab	72.96, 25.52, 2.74
CIE LCh	73, 25.671, 6.126
Yxy	45.1046, 0.3621, 0.3140
Android (android.graphics.Color)	4293042863 (0xFFE2A2AF)
YUV	182.6180, -3.7557, 38.0460
Hunter-Lab	67.1600, 20.7145, 5.9374

# Details

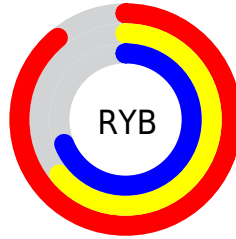
The Yxy color **45.1046, 0.3621, 0.3140** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **66.8584, 0.2789, 0.3447**, and the grayscale version is **47.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5989, 0.3315, 0.3161**, and **21.1280, 0.3766, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **37.1860, 0.3877, 0.3085**, and if you desaturate by 10%, it is **54.5521, 0.3412, 0.3195**.

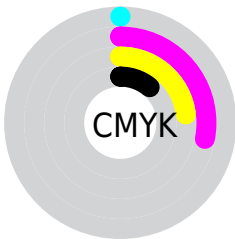
# Distribution



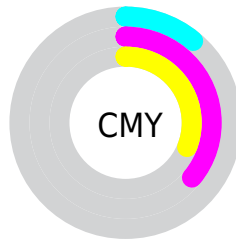
- Red (89%)
- Green (64%)
- Blue (69%)



- Red (89%)
- Yellow (64%)
- Blue (69%)



- Cyan (0%)
- Magenta (28%)
- Yellow (23%)
- Black (11%)




- Cyan (11%)
- Magenta (36%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1046, 0.3621, 0.3140 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 45.1046, 0.3621, 0.3140 by changing the saturation by 10% instead.





 45.1046, 0.3621,  
0.3140

 45.1046, 0.3621,  
0.3140


367.1970, 0.3372,  
0.3217

 31.5398, 0.3684,  
0.3120


 82.8774, 0.3530,  
0.3169

 21.0103, 0.3765,  
0.3094


 107.8541, 0.3496,  
0.3179

 13.1315, 0.3874,  
0.3058


137.4037, 0.3467,  
0.3188

 7.5192, 0.4026,  
0.3008

171.9104, 0.3443,  
0.3196

 3.7888, 0.4256,  
0.2929

211.7587, 0.3421,  
0.3202

 1.5562, 0.4639,  
0.2793

257.3330, 0.3403,

 0.3278, 0.6554,

0.3208

0.2290

309.0176, 0.3386,  
0.3213

0.0000, 0.0000,  
0.0000

45.1046, 0.3621,  
0.3140

45.1046, 0.3621,  
0.3140

37.1860, 0.3877,  
0.3085

54.5521, 0.3412,  
0.3195

30.7096, 0.4186,  
0.3035

65.5967, 0.3243,  
0.3249

25.5899, 0.4547,  
0.2997

78.3098, 0.3106,  
0.3298

21.7296, 0.4948,  
0.2979

92.7570, 0.2995,  
0.3344

19.0182, 0.5362,  
0.2992

94.9026, 0.2952,  
0.3289

■ 17.3262, 0.5745,  
0.3040

■ 16.4676, 0.6049,  
0.3118

■ 16.3590, 0.6094,  
0.3131

# Harmonies

## Analogous

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



45.1046, 0.3282, 0.2889



45.1046, 0.3621, 0.3140



45.1046, 0.3825, 0.3436

# Triad

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



45.1046, 0.3621, 0.3140



45.1046, 0.3308, 0.3927



45.1046, 0.2469, 0.2821

# Complementary

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



45.1046, 0.3621, 0.3140



66.8584, 0.2789, 0.3447

# 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.



45.1046, 0.2476, 0.3078



45.1046, 0.3621, 0.3140



45.1046, 0.2947, 0.3747

# Square

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



45.1046, 0.3621, 0.3140



45.1046, 0.3632, 0.3905



45.1046, 0.2646, 0.3423



45.1046, 0.2625, 0.2704



# Rectangle

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



45.1046, 0.3621, 0.3140



45.1046, 0.3849, 0.3628



45.1046, 0.2646, 0.3423



45.1046, 0.2453, 0.2893

# Sweetspot

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



45.1067, 0.3621, 0.3140



86.6647, 0.3239, 0.3250



45.3506, 0.3041, 0.2562



18.0474, 0.3262, 0.3242



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.



45.1067, 0.3621, 0.3140



52.9175, 0.3767, 0.3107



51.4705, 0.3690, 0.3502



13.7458, 0.3260, 0.3243



9.3501, 0.6059, 0.3111



0.6609, 0.5634, 0.2877



# Inverse Universe

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



45.1067, 0.3621, 0.3140



52.9175, 0.3767, 0.3107



58.2091, 0.2694, 0.3067



13.7458, 0.3260, 0.3243



9.3501, 0.6059, 0.3111

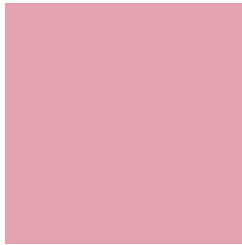


0.6609, 0.5634, 0.2877



# Previews

## White Background



This preview shows how the Yxy color 45.1046, 0.3621, 0.3140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

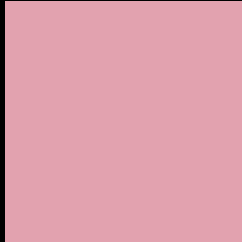
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1046, 0.3621, 0.3140 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 45.1046, 0.3621, 0.3140**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1046, 0.3621, 0.3140.



This preview shows how white text looks on a background with the Yxy color 45.1046, 0.3621, 0.3140.

# 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

45.1046, 0.3621, 0.3140

### Protanopia

45.1252, 0.3105, 0.3211

### Deuteranopia

45.0464, 0.3363, 0.3291



## Tritanopia

45.1046, 0.3621, 0.3140

# Trichromacy



## Original Color

45.1046, 0.3621, 0.3140

## Protanomaly

44.7116, 0.3277, 0.3177

## Deuteranomaly

44.9872, 0.3455, 0.3229

## Tritanomaly

45.1046, 0.3621, 0.3140

# Monochromacy



## Original Color

45.1046, 0.3621, 0.3140

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.0973, 0.3300, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1046, 0.3621, 0.3140 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(226, 162, 175)` looks like.

```
.text, #text, p{  
    color:rgb(226, 162, 175)  
}
```

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(226, 162, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 162, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1046, 0.3621, 0.3140 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(226, 162, 175) }
```

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

```
.border{ border-color:rgb(226, 162, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 162, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 162, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 162, 175);  
box-shadow:4px 4px 4px 4px rgb(226, 162,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1046, 0.3621, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 162, 175) }
```

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

```
.background{ background-color: rgb(226,  
162, 175) }
```

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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