

# Converting Colors

$Y_{xy}(28.9397, 0.3642, 0.2375)$

Have a look what the booklet for  
Yxy(28.9397, 0.3642, 0.2375)  
contains.

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**Color**

**Yxy(28.9710, 0.3643, 0.2374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E166B8
RGB	225, 102, 184
RGB Percent	88%, 40%, 72%
CMY	0.1176, 0.6000, 0.2784
CMYK	0.00, 0.55, 0.18, 0.12
HSL	320°, 67%, 64%
HSV	320°, 55%, 88%
XYZ	44.4572, 28.9710, 48.6064
YIQ	148.1250, 46.9860, 51.5780

# Conversions

## Conversions Part 2

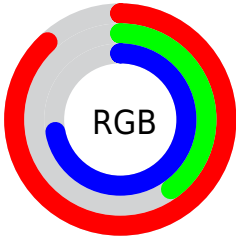
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 102, 184
Decimal	14771896
CIE Lab	60.76, 57.28, -20.52
CIE LCh	61, 60.843, 340.295
Yxy	28.9710, 0.3643, 0.2374
Android (android.graphics.Color)	4292961976 (0xFFE166B8)
YUV	148.1250, 17.6864, 67.4194
Hunter-Lab	53.8247, 53.2410, -15.8645

# Details

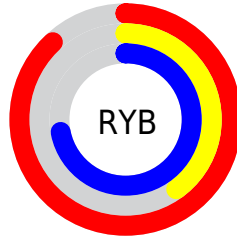
The Yxy color **28.9710, 0.3643, 0.2374** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **58.6610, 0.2844, 0.4466**, and the grayscale version is **29.5800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6652, 0.3295, 0.2467**, and **11.7310, 0.3790, 0.2120** is the 20% darker color. If you saturate the color by 10%, you get **24.8278, 0.3779, 0.2246**, and if you desaturate by 10%, it is **34.3335, 0.3518, 0.2528**.

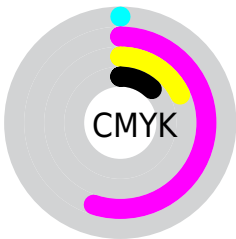
# Distribution



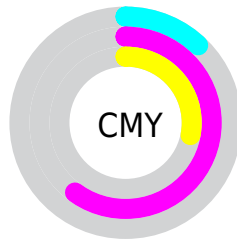
- Red (88%)
- Green (40%)
- Blue (72%)



- Red (88%)
- Yellow (40%)
- Blue (72%)



- Cyan (0%)
- Magenta (55%)
- Yellow (18%)
- Black (12%)




- Cyan (12%)
- Magenta (60%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9710, 0.3643, 0.2374 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 28.9710, 0.3643, 0.2374 by changing the saturation by 10% instead.





 28.9710, 0.3643,  
0.2374

 28.9710, 0.3643,  
0.2374

297.0781, 0.3384,  
0.2829


 19.0589, 0.3708,  
0.2263


 58.0310, 0.3549,  
0.2538

 11.7128, 0.3790,  
0.2121


 77.9477, 0.3513,  
0.2600

 6.5485, 0.3899,  
0.1937


 101.9680, 0.3484,  
0.2652

 3.1814, 0.4049,  
0.1688

 130.4764, 0.3458,  
0.2698

 1.2271, 0.4266,  
0.1339

163.8572, 0.3436,  
0.2737

 0.0837, 0.4891,  
0.0248

202.4948, 0.3416,


 0.0000, 0.5708,


0.2771

0.0000


246.7736, 0.3399,  
0.2802

 0.0000, 0.0000,  
0.0000


 28.9710, 0.3643,  
0.2374

 28.9710, 0.3643,  
0.2374


 24.8278, 0.3779,  
0.2246


 34.3335, 0.3518,  
0.2528


 21.8000, 0.3923,  
0.2155


 40.9999, 0.3407,  
0.2697


 19.7730, 0.4070,  
0.2111


 49.0520, 0.3310,  
0.2872


 18.6054, 0.4214,  
0.2118

 58.5635, 0.3227,  
0.3046

 18.2115, 0.4290,  
0.2137

 69.6032, 0.3156,  
0.3214

 82.2353, 0.3097,  
0.3374

 93.6137, 0.3048,  
0.3478

 94.0600, 0.3006,  
0.3401

 94.5248, 0.2965,  
0.3325

# Harmonies

## Analogous

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



28.9710, 0.2655, 0.1994



28.9710, 0.3643, 0.2374



28.9710, 0.4594, 0.2935

# Triad

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



28.9710, 0.3643, 0.2374



28.9710, 0.4218, 0.4905



28.9710, 0.1517, 0.2512

# Complementary

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



28.9710, 0.3643, 0.2374



58.6610, 0.2844, 0.4466

# 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.



28.9710, 0.1800, 0.3446



28.9710, 0.3643, 0.2374



28.9710, 0.3337, 0.5133

# Square

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



28.9710, 0.3643, 0.2374



28.9710, 0.4871, 0.4279



28.9710, 0.2449, 0.4557



28.9710, 0.1573, 0.2005



# Rectangle

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



28.9710, 0.3643, 0.2374



28.9710, 0.4976, 0.3364



28.9710, 0.2449, 0.4557



28.9710, 0.1571, 0.2777

# Sweetspot

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



28.9724, 0.3643, 0.2374



75.8296, 0.3238, 0.3021



20.5974, 0.2372, 0.1667



15.6480, 0.3255, 0.2985



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.



28.9724, 0.3643, 0.2374



32.1478, 0.3804, 0.2227



26.9801, 0.4444, 0.3037



13.8539, 0.3188, 0.3135



10.5162, 0.4269, 0.2125



0.7453, 0.4064, 0.2013



# Inverse Universe

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



28.9724, 0.3643, 0.2374



32.1478, 0.3804, 0.2227



60.9641, 0.2540, 0.3592



13.8539, 0.3188, 0.3135



10.5162, 0.4269, 0.2125



0.7453, 0.4064, 0.2013



# Previews

## White Background



This preview shows how the Yxy color 28.9710, 0.3643, 0.2374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

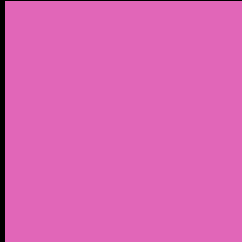
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.9710, 0.3643, 0.2374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

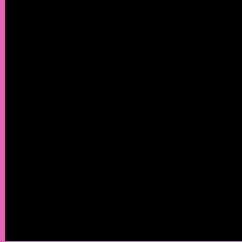
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.9710, 0.3643, 0.2374**

## Background



This preview shows how black text looks on a background with the Yxy color 28.9710, 0.3643, 0.2374.



This preview shows how white text looks on a background with the Yxy color 28.9710, 0.3643, 0.2374.

# 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

28.9710, 0.3643, 0.2374

### Protanopia

29.4196, 0.2376, 0.2278

### Deuteranopia

29.2318, 0.2844, 0.2793



## Tritanopia

29.0061, 0.4310, 0.3198

# Trichromacy



## Original Color

28.9710, 0.3643, 0.2374



## Protanomaly

27.5337, 0.2737, 0.2267



## Deuteranomaly

28.1098, 0.3106, 0.2586



## Tritanomaly

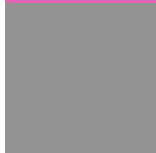
28.8164, 0.4064, 0.2878

# Monochromacy



## Original Color

28.9710, 0.3643, 0.2374



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

28.0359, 0.3315, 0.2863

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.9710, 0.3643, 0.2374 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(225, 102, 184)` looks like.

```
.text, #text, p{  
    color:rgb(225, 102, 184)  
}
```

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(225, 102, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 102, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 28.9710, 0.3643, 0.2374 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(225, 102, 184) }
```

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

```
.border{ border-color:rgb(225, 102, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 102, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 102, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 102, 184);  
box-shadow:4px 4px 4px 4px rgb(225, 102,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.9710, 0.3643, 0.2374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 102, 184) }
```

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

```
.background{ background-color: rgb(225,  
102, 184) }
```

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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