

# Converting Colors

$Y_{xy}(41.1168, 0.3563, 0.2774)$

Have a look what the booklet for  
Yxy(41.1168, 0.3563, 0.2774)  
contains.

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# Color

**Yxy(41.1682, 0.3558, 0.2774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E891BF
RGB	232, 145, 191
RGB Percent	91%, 57%, 75%
CMY	0.0902, 0.4313, 0.2511
CMYK	0.00, 0.37, 0.18, 0.09
HSL	328°, 65%, 74%
HSV	328°, 37%, 91%
XYZ	52.8033, 41.1682, 54.4358
YIQ	176.2570, 37.0860, 32.7500

# Conversions

## Conversions Part 2

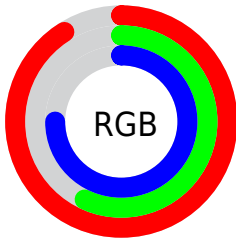
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 145, 191
Decimal	15241663
CIE Lab	70.29, 39.08, -9.95
CIE LCh	70, 40.326, 345.712
Yxy	41.1682, 0.3558, 0.2774
Android (android.graphics.Color)	4293431743 (0xFFE891BF)
YUV	176.2570, 7.2683, 48.8866
Hunter-Lab	64.1625, 34.6146, -5.3883

# Details

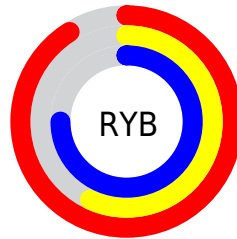
The Yxy color  $41.1682, 0.3558, 0.2774$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $67.2766, 0.2847, 0.3877$ , and the grayscale version is  $43.5049, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $69.2840, 0.3209, 0.2826$ , and  $18.7776, 0.3675, 0.2636$  is the 20% darker color. If you saturate the color by 10%, you get  $34.3248, 0.3726, 0.2639$ , and if you desaturate by 10%, it is  $49.4990, 0.3414, 0.2915$ .

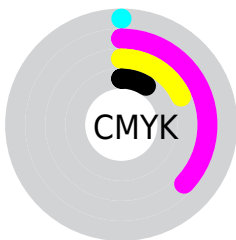
# Distribution



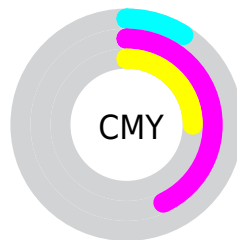
- Red (91%)
- Green (57%)
- Blue (75%)



- Red (91%)
- Yellow (57%)
- Blue (75%)



- Cyan (0%)
- Magenta (37%)
- Yellow (18%)
- Black (9%)




- Cyan (9%)
- Magenta (43%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1682, 0.3558, 0.2774 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 41.1682, 0.3558, 0.2774 by changing the saturation by 10% instead.




 41.1682, 0.3558,  
0.2774

 41.1682, 0.3558,  
0.2774


351.0231, 0.3344,  
0.3027

 28.4505, 0.3611,  
0.2713


 76.9392, 0.3480,  
0.2864

 18.6656, 0.3679,  
0.2635


 100.7612, 0.3451,  
0.2899

 11.4289, 0.3769,  
0.2534


129.0536, 0.3426,  
0.2928

 6.3561, 0.3894,  
0.2396

162.2006, 0.3405,  
0.2953

 3.0628, 0.4077,  
0.2197

200.5867, 0.3387,  
0.2975

 1.1646, 0.4373,  
0.1892

244.5962, 0.3371,

 0.0325, 0.5653,

0.2994

0.0185

294.6135, 0.3356,  
0.3011

0.0000, 0.0000,  
0.0000

41.1682, 0.3558,  
0.2774

41.1682, 0.3558,  
0.2774

34.3248, 0.3726,  
0.2639

49.4990, 0.3414,  
0.2915

28.8735, 0.3918,  
0.2521

59.3933, 0.3293,  
0.3056

24.7171, 0.4131,  
0.2431

70.9290, 0.3192,  
0.3193

21.7430, 0.4358,  
0.2381

84.1770, 0.3108,  
0.3322

19.8192, 0.4589,  
0.2382

95.3086, 0.3039,  
0.3383

■ 18.7697, 0.4813,  
0.2437

■ 95.8945, 0.2987,  
0.3290

■ 18.5739, 0.4868,  
0.2455

# Harmonies

## Analogous

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



41.1682, 0.2958, 0.2487



41.1682, 0.3558, 0.2774



41.1682, 0.4069, 0.3178

# Triad

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



41.1682, 0.3558, 0.2774



41.1682, 0.3765, 0.4331



41.1682, 0.2082, 0.2775

# Complementary

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



41.1682, 0.3558, 0.2774



67.2766, 0.2847, 0.3877

# 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.



41.1682, 0.2254, 0.3301



41.1682, 0.3558, 0.2774



41.1682, 0.3207, 0.4299

# Square

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



41.1682, 0.3558, 0.2774



41.1682, 0.4173, 0.4056



41.1682, 0.2655, 0.3897



41.1682, 0.2154, 0.2458



# Rectangle

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



41.1682, 0.3558, 0.2774



41.1682, 0.4260, 0.3480



41.1682, 0.2655, 0.3897



41.1682, 0.2112, 0.2930

# Sweetspot

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



41.1701, 0.3558, 0.2774



82.5678, 0.3226, 0.3145



36.4707, 0.2763, 0.2247



17.2514, 0.3239, 0.3126



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.



41.1701, 0.3558, 0.2774



44.3007, 0.3686, 0.2669



39.5452, 0.4017, 0.3259



14.4946, 0.3210, 0.3166



10.3380, 0.4834, 0.2437



0.7827, 0.4532, 0.2270



# Inverse Universe

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



41.1701, 0.3558, 0.2774



44.3007, 0.3686, 0.2669



69.3922, 0.2619, 0.3324



14.4946, 0.3210, 0.3166



10.3380, 0.4834, 0.2437

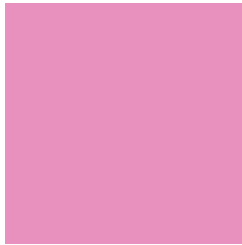


0.7827, 0.4532, 0.2270



# Previews

## White Background



This preview shows how the Yxy color 41.1682, 0.3558, 0.2774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

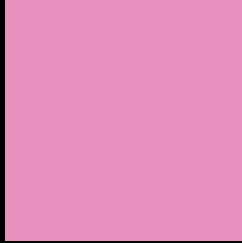
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1682, 0.3558, 0.2774 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 41.1682, 0.3558, 0.2774**

## Background



This preview shows how black text looks on a background with the Yxy color 41.1682, 0.3558, 0.2774.



This preview shows how white text looks on a background with the Yxy color 41.1682, 0.3558, 0.2774.

# 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

41.1682, 0.3558, 0.2774

### Protanopia

41.5724, 0.2781, 0.2802

### Deuteranopia

41.1704, 0.3094, 0.3027



## Tritanopia

41.0793, 0.3817, 0.3152

# Trichromacy



## Original Color

41.1682, 0.3558, 0.2774



## Protanomaly

40.9237, 0.3033, 0.2785



## Deuteranomaly

40.7065, 0.3257, 0.2928



## Tritanomaly

41.0199, 0.3717, 0.3004

# Monochromacy



## Original Color

41.1682, 0.3558, 0.2774



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

41.9822, 0.3276, 0.3087

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1682, 0.3558, 0.2774 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(232, 145, 191)` looks like.

```
.text, #text, p{  
    color:rgb(232, 145, 191)  
}
```

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(232, 145, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 145, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1682, 0.3558, 0.2774 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(232, 145, 191) }
```

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

```
.border{ border-color:rgb(232, 145, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 145, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 145, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 145, 191);  
box-shadow:4px 4px 4px 4px rgb(232, 145,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1682, 0.3558, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 145, 191) }
```

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

```
.background{ background-color: rgb(232,  
145, 191) }
```

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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