

# Converting Colors

$Y_{xy}(40.9087, 0.3198, 0.2387)$

Have a look what the booklet for  
Yxy(40.9087, 0.3198, 0.2387)  
contains.

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# Color

**Yxy(40.7625, 0.3198, 0.2385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38DE0
RGB	227, 141, 224
RGB Percent	89%, 55%, 88%
CMY	0.1098, 0.4470, 0.1217
CMYK	0.00, 0.38, 0.01, 0.11
HSL	302°, 61%, 72%
HSV	302°, 38%, 89%
XYZ	54.6576, 40.7625, 75.4918
YIQ	176.1760, 24.6130, 44.0450

# Conversions

## Conversions Part 2

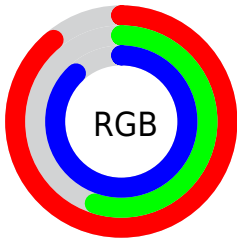
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 141, 224
Decimal	14912992
CIE Lab	70.01, 45.06, -28.72
CIE LCh	70, 53.437, 327.485
Yxy	40.7625, 0.3198, 0.2385
Android (android.graphics.Color)	4293103072 (0xFFE38DE0)
YUV	176.1760, 23.5772, 44.5726
Hunter-Lab	63.8455, 41.0828, -25.4134

# Details

The Yxy color **40.7625, 0.3198, 0.2385** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.6218, 0.3056, 0.4400**, and the grayscale version is **43.3789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **18.3901, 0.3193, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **34.6984, 0.3218, 0.2167**, and if you desaturate by 10%, it is **48.2024, 0.3178, 0.2620**.

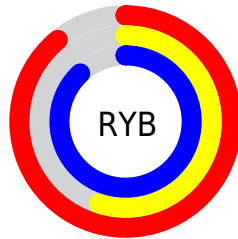
# Distribution



Red (89%)

Green (55%)

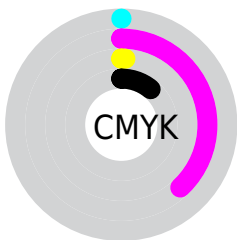
Blue (88%)



Red (89%)

Yellow (55%)

Blue (88%)

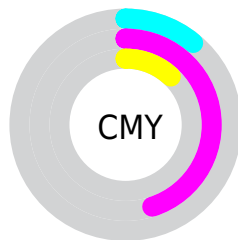


Cyan (0%)

Magenta (38%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (45%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7625, 0.3198, 0.2385 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 40.7625, 0.3198, 0.2385 by changing the saturation by 10% instead.





 40.7625, 0.3198,  
0.2385


 40.7625, 0.3198,  
0.2385


349.3270, 0.3176,  
0.2810

 28.1336, 0.3200,  
0.2287


 76.3232, 0.3193,  
0.2533

 18.4264, 0.3200,  
0.2166


 100.0238, 0.3190,  
0.2591

 11.2565, 0.3198,  
0.2014


128.1837, 0.3187,  
0.2640

 6.2396, 0.3189,  
0.1815

161.1873, 0.3185,  
0.2683

 2.9913, 0.3166,  
0.1551

199.4191, 0.3182,  
0.2721

 1.1272, 0.3108,  
0.1187

243.2634, 0.3180,

 0.0010, 0.3168,

0.2754

0.0003

293.1045, 0.3178,  
0.2784

0.0000, 0.0572,  
0.0000

0.0000, 0.0000,  
0.0000

40.7625, 0.3198,  
0.2385

40.7625, 0.3198,  
0.2385

34.6984, 0.3218,  
0.2167

48.2024, 0.3178,  
0.2620

29.9201, 0.3238,  
0.1974


57.0899, 0.3159,  
0.2863


26.3360, 0.3256,  
0.1817


67.4982, 0.3141,  
0.3104

23.8395, 0.3272,  
0.1701

79.4942, 0.3124,  
0.3339

 22.3056, 0.3286,  
0.1629

 93.1406, 0.3108,  
0.3562

 21.5605, 0.3298,  
0.1596

 93.4975, 0.3104,  
0.3558

 21.4474, 0.3300,  
0.1592

 93.5423, 0.3099,  
0.3550

 93.5873, 0.3095,  
0.3541

 93.6324, 0.3090,  
0.3533

# Harmonies

## Analogous

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



40.7625, 0.2477, 0.2148



40.7625, 0.3198, 0.2385



40.7625, 0.3992, 0.2806

# Triad

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



40.7625, 0.3198, 0.2385



40.7625, 0.4297, 0.4436



40.7625, 0.1878, 0.2978

# Complementary

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



40.7625, 0.3198, 0.2385



62.6218, 0.3056, 0.4400

# 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.



40.7625, 0.2263, 0.3796



40.7625, 0.3198, 0.2385



40.7625, 0.3654, 0.4726

# Square

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



40.7625, 0.3198, 0.2385



40.7625, 0.4651, 0.3912



40.7625, 0.2909, 0.4515



40.7625, 0.1794, 0.2404



# Rectangle

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



40.7625, 0.3198, 0.2385



40.7625, 0.4411, 0.3154



40.7625, 0.2909, 0.4515



40.7625, 0.1972, 0.3234

# Sweetspot

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



40.7643, 0.3198, 0.2385



83.3273, 0.3146, 0.3028



30.5154, 0.2454, 0.2147



17.4331, 0.3149, 0.2995



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.



40.7643, 0.3198, 0.2385



47.0514, 0.3213, 0.2221



38.7257, 0.3619, 0.2828



14.6060, 0.3143, 0.3066



12.5107, 0.3299, 0.1591



0.9273, 0.3285, 0.1583



# Inverse Universe

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



40.7643, 0.3198, 0.2385



47.0514, 0.3213, 0.2221



64.1896, 0.2815, 0.3811



14.6060, 0.3143, 0.3066



12.5107, 0.3299, 0.1591

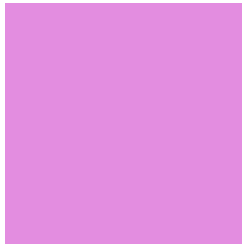


0.9273, 0.3285, 0.1583



# Previews

## White Background



This preview shows how the Yxy color 40.7625, 0.3198, 0.2385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

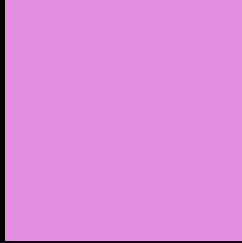
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.7625, 0.3198, 0.2385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

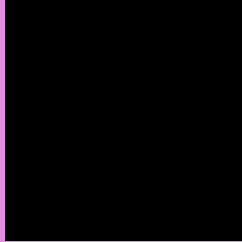
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.7625, 0.3198, 0.2385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.7625, 0.3198, 0.2385.

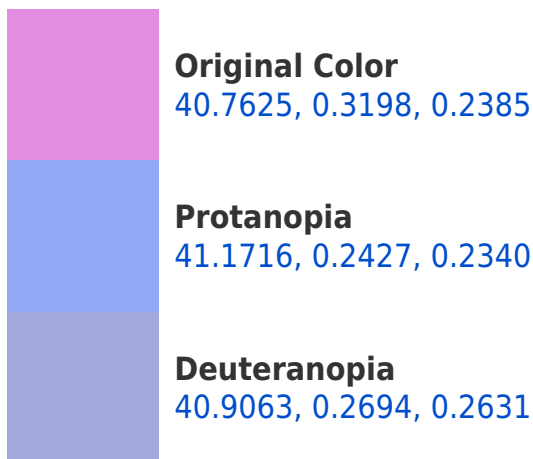


This preview shows how white text looks on a background with the Yxy color 40.7625, 0.3198, 0.2385.

# 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





## Tritanopia

40.5591, 0.3677, 0.3147

# Trichromacy



## Original Color

40.7625, 0.3198, 0.2385



## Protanomaly

40.1408, 0.2663, 0.2345



## Deuteranomaly

40.1133, 0.2856, 0.2517



## Tritanomaly

40.5697, 0.3503, 0.2858

# Monochromacy



## Original Color

40.7625, 0.3198, 0.2385



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

41.6467, 0.3163, 0.2913

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.7625, 0.3198, 0.2385 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(227, 141, 224)` looks like.

```
.text, #text, p{  
    color:rgb(227, 141, 224)  
}
```

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(227, 141, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 141, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 40.7625, 0.3198, 0.2385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

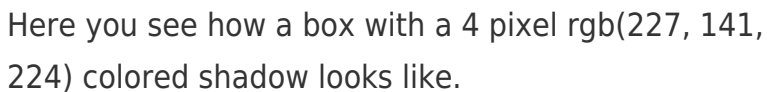
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 141, 224) }
```

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

```
.border{ border-color:rgb(227, 141, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 141, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 141, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 141, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 141,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.7625, 0.3198, 0.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 141, 224) }
```

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

```
.background{ background-color: rgb(227,  
141, 224) }
```

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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