

# Converting Colors

$Y_{xy}(61.3538, 0.2683, 0.2106)$

Have a look what the booklet for  
Yxy(61.3538, 0.2683, 0.2106)  
contains.

<b>Yxy(57.5247, 0.3007, 0.2520)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(57.5247, 0.3007, 0.2520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBB4FF
RGB	235, 180, 255
RGB Percent	92%, 71%, 100%
CMY	0.0783, 0.2942, 0.0000
CMYK	0.08, 0.29, 0.00, 0.00
HSL	284°, 100%, 85%
HSV	284°, 29%, 100%
XYZ	68.6416, 57.5247, 102.1063
YIQ	204.9950, 8.7050, 34.9850

# Conversions

## Conversions Part 2

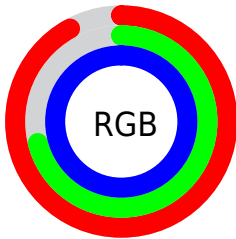
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 180, 255
Decimal	15447295
CIE Lab	80.47, 32.76, -29.43
CIE LCh	80, 44.035, 318.066
Yxy	57.5247, 0.3007, 0.2520
Android (android.graphics.Color)	4293637375 (0xFFE8B4FF)
YUV	204.9950, 24.6525, 26.3144
Hunter-Lab	75.8450, 28.8180, -26.7276

# Details

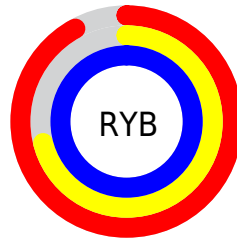
The Yxy color  $57.5247, 0.3007, 0.2520$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $87.0884, 0.3209, 0.4121$ , and the grayscale version is  $60.8849, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.4709, 0.3136, 0.3107$ , and  $28.7209, 0.2964, 0.2356$  is the 20% darker color. If you saturate the color by 10%, you get  $47.0272, 0.2952, 0.2248$ , and if you desaturate by 10%, it is  $69.9629, 0.3055, 0.2792$ .

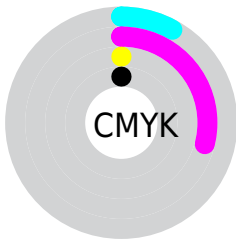
# Distribution



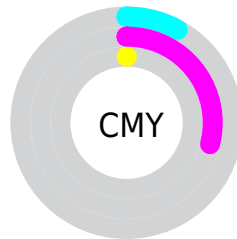
- Red (92%)
- Green (71%)
- Blue (100%)



- Red (92%)
- Yellow (71%)
- Blue (100%)



- Cyan (8%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (29%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5247, 0.3007, 0.2520 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 57.5247, 0.3007, 0.2520 by changing the saturation by 10% instead.




 57.5247, 0.3007,  
0.2520

 57.5247, 0.3007,  
0.2520


415.4125, 0.3072,  
0.2867

 41.4267, 0.2990,  
0.2443


 101.2304, 0.3031,  
0.2639

 28.6526, 0.2968,  
0.2350


129.6068, 0.3040,  
0.2685

 18.8182, 0.2938,  
0.2234


162.8448, 0.3048,  
0.2726

 11.5390, 0.2896,  
0.2087

201.3288, 0.3054,  
0.2761

 6.4306, 0.2835,  
0.1894

245.4432, 0.3060,  
0.2792

 3.1086, 0.2740,  
0.1634

295.5724, 0.3065,

 1.1887, 0.2575,

0.2820

0.1271

352.1007, 0.3069,  
0.2845

0.0525, 0.2404,  
0.0148

0.0000, 0.0000,  
0.0000

57.5247, 0.3007,  
0.2520

57.5247, 0.3007,  
0.2520

47.0272, 0.2952,  
0.2248

69.9629, 0.3055,  
0.2792

38.3617, 0.2890,  
0.1985

84.4341, 0.3095,  
0.3055

31.4151, 0.2822,  
0.1743

100.0000, 0.3127,  
0.3290

26.0598, 0.2750,  
0.1533

■ 22.1501, 0.2677,  
0.1366

■ 19.5129, 0.2605,  
0.1247

■ 17.8822, 0.2535,  
0.1172

■ 17.7997, 0.2531,  
0.1168

# Harmonies

## Analogous

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



57.5247, 0.2504, 0.2391



57.5247, 0.3007, 0.2520



57.5247, 0.3594, 0.2813

# Triad

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



57.5247, 0.3007, 0.2520



57.5247, 0.4128, 0.4070



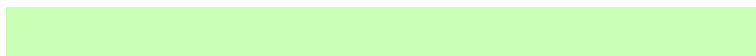
57.5247, 0.2251, 0.3256

# Complementary

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



57.5247, 0.3007, 0.2520



87.0884, 0.3209, 0.4121

# 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.



57.5247, 0.2629, 0.3840



57.5247, 0.3007, 0.2520



57.5247, 0.3713, 0.4318

# Square

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



57.5247, 0.3007, 0.2520



57.5247, 0.4273, 0.3662



57.5247, 0.3162, 0.4255



57.5247, 0.2101, 0.2755



# Rectangle

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



57.5247, 0.3007, 0.2520



57.5247, 0.3940, 0.3073



57.5247, 0.3162, 0.4255



57.5247, 0.2354, 0.3452

# Sweetspot

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



57.5261, 0.3007, 0.2520



85.0810, 0.3097, 0.3066



58.2272, 0.2632, 0.2664



17.7296, 0.3092, 0.3028



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.



57.5261, 0.3007, 0.2520



51.4308, 0.2977, 0.2368



60.0420, 0.3296, 0.2714



18.0429, 0.3095, 0.3053



9.3775, 0.2543, 0.1174



0.9664, 0.2621, 0.1218



# Inverse Universe

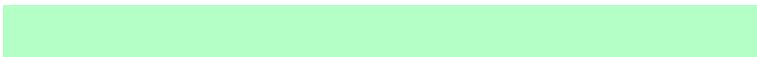
The Inverse Universe completely reimagines the original color for something new.



58.0666, 0.3610, 0.3084



52.1379, 0.3740, 0.3043



85.2759, 0.2994, 0.3945



18.0665, 0.3252, 0.3227



11.3470, 0.5884, 0.3015



1.1220, 0.5566, 0.2840



# Previews

## White Background



This preview shows how the Yxy color 57.5247, 0.3007, 0.2520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

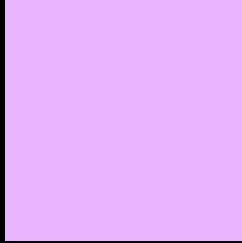
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5247, 0.3007, 0.2520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

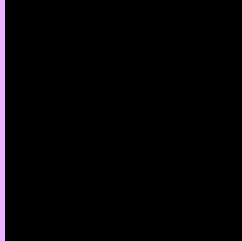
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5247, 0.3007, 0.2520**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5247, 0.3007, 0.2520.

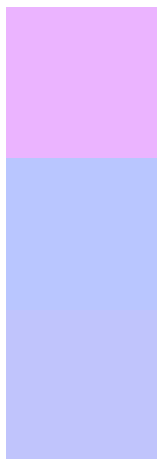


This preview shows how white text looks on a background with the Yxy color 57.5247, 0.3007, 0.2520.

# 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

57.5247, 0.3007, 0.2520

### Protanopia

57.9225, 0.2661, 0.2646

### Deuteranopia

57.7146, 0.2723, 0.2661



## Tritanopia

57.5174, 0.3323, 0.3134

# Trichromacy



## Original Color

57.5247, 0.3007, 0.2520



## Protanomaly

57.1781, 0.2775, 0.2588



## Deuteranomaly

57.3287, 0.2823, 0.2603



## Tritanomaly

57.2685, 0.3203, 0.2888

# Monochromacy



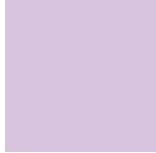
## Original Color

57.5247, 0.3007, 0.2520



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

59.4065, 0.3087, 0.2988

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5247, 0.3007, 0.2520 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(235, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 180, 255)  
}
```

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(235, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 180, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5247, 0.3007, 0.2520 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(235, 180, 255) }
```

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

```
.border{ border-color:rgb(235, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 180,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5247, 0.3007, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 180, 255) }
```

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

```
.background{ background-color: rgb(235,  
180, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor