

Converting Colors

$Y_{xy}(67.3490, 0.2355, 0.1720)$

Have a look what the booklet for
Yxy(67.3490, 0.2355, 0.1720)
contains.

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Color

Yxy(57.6648, 0.2976, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	E7B6FF
RGB	231, 182, 255
RGB Percent	91%, 71%, 100%
CMY	0.0943, 0.2862, 0.0000
CMYK	0.09, 0.29, 0.00, 0.00
HSL	280°, 100%, 86%
HSV	280°, 29%, 100%
XYZ	67.7231, 57.6648, 102.1764
YIQ	204.9730, 5.7710, 33.0910

Conversions

Conversions Part 2

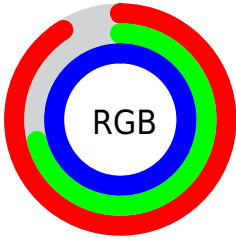
Format	Color
R _Y B	231, 182, 255
Decimal	15185663
CIE Lab	80.55, 30.41, -29.34
CIE LCh	81, 42.255, 316.030
Yxy	57.6648, 0.2976, 0.2534
Android (android.graphics.Color)	4293375743 (0xFFE7B6FF)
YUV	204.9730, 24.6633, 22.8257
Hunter-Lab	75.9373, 26.3012, -26.6207

Details

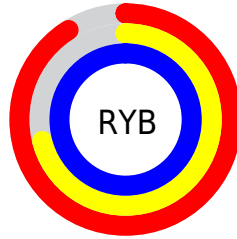
The Yxy color **57.6648, 0.2976, 0.2534** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0295, 0.3236, 0.4089**, and the grayscale version is **60.8690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **28.8917, 0.2934, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **46.7899, 0.2906, 0.2254**, and if you desaturate by 10%, it is **70.5121, 0.3037, 0.2810**.

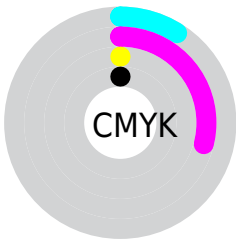
Distribution



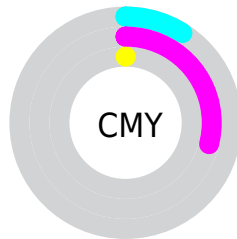
- Red (91%)
- Green (71%)
- Blue (100%)



- Red (91%)
- Yellow (71%)
- Blue (100%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6648, 0.2976, 0.2534 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 57.6648, 0.2976, 0.2534 by changing the saturation by 10% instead.

 57.6648, 0.2976,
0.2534

 57.6648, 0.2976,
0.2534

415.9357, 0.3055,
0.2876

 41.5392, 0.2956,
0.2458


 101.4346, 0.3005,
0.2651

 28.7407, 0.2930,
0.2366


129.8476, 0.3016,
0.2697

 18.8847, 0.2895,
0.2251


163.1251, 0.3025,
0.2737

 11.5870, 0.2848,
0.2105

201.6517, 0.3033,
0.2771

 6.4631, 0.2778,
0.1914

245.8117, 0.3040,
0.2802

 3.1287, 0.2672,
0.1655

295.9894, 0.3046,

 1.1993, 0.2491,

0.2829

0.1292

352.5693, 0.3051,
0.2854

0.0611, 0.2287,
0.0175

0.0000, 0.0000,
0.0000

57.6648, 0.2976,
0.2534

57.6648, 0.2976,
0.2534

46.7899, 0.2906,
0.2254

70.5121, 0.3037,
0.2810

37.7778, 0.2828,
0.1980

85.4227, 0.3089,
0.3075

30.5162, 0.2742,
0.1724

100.0000, 0.3127,
0.3290

24.8783, 0.2653,
0.1499

■ 20.7196, 0.2562,
0.1315

■ 17.8691, 0.2473,
0.1180

■ 16.0838, 0.2389,
0.1094

■ 15.8764, 0.2377,
0.1083

Harmonies

Analogous

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



57.6648, 0.2501, 0.2422



57.6648, 0.2976, 0.2534



57.6648, 0.3538, 0.2808

Triad

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



57.6648, 0.2976, 0.2534



57.6648, 0.4108, 0.4019



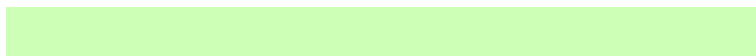
57.6648, 0.2303, 0.3297

Complementary

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



57.6648, 0.2976, 0.2534



88.0295, 0.3236, 0.4089

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.



57.6648, 0.2681, 0.3851



57.6648, 0.2976, 0.2534



57.6648, 0.3724, 0.4268

Square

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



57.6648, 0.2976, 0.2534



57.6648, 0.4224, 0.3623



57.6648, 0.3200, 0.4227



57.6648, 0.2141, 0.2805

Rectangle

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



57.6648, 0.2976, 0.2534



57.6648, 0.3876, 0.3056



57.6648, 0.3200, 0.4227



57.6648, 0.2407, 0.3486

Sweetspot

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



57.6666, 0.2976, 0.2534



84.8154, 0.3087, 0.3065



61.4781, 0.2653, 0.2741



17.6640, 0.3080, 0.3027



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.



57.6666, 0.2976, 0.2534



51.5754, 0.2939, 0.2383



61.1861, 0.3253, 0.2685



17.9830, 0.3085, 0.3052



8.3804, 0.2391, 0.1091



0.8755, 0.2485, 0.1143

Inverse Universe

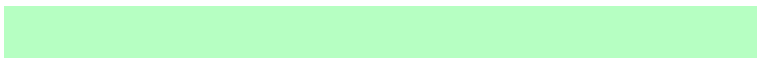
The Inverse Universe completely reimagines the original color for something new.



59.1843, 0.3553, 0.3043



53.4012, 0.3664, 0.2994



85.3711, 0.3023, 0.3982



18.0858, 0.3242, 0.3212



11.4678, 0.5661, 0.2892



1.1358, 0.5343, 0.2717

Previews

White Background



This preview shows how the Yxy color 57.6648, 0.2976, 0.2534 looks on a white background.

Color Contrast Check

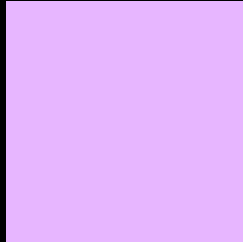
Large Text (above 18pt) WCAG AA × Fail

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 57.6648, 0.2976, 0.2534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

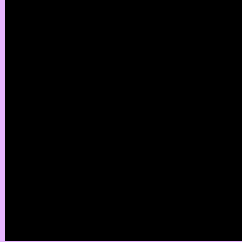
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6648, 0.2976, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 57.6648, 0.2976, 0.2534.



This preview shows how white text looks on a background with the Yxy color 57.6648, 0.2976, 0.2534.

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

57.6648, 0.2976, 0.2534

Protanopia

57.9225, 0.2661, 0.2646

Deuteranopia

57.8456, 0.2729, 0.2662



Tritanopia

57.5651, 0.3282, 0.3122

Trichromacy



Original Color

57.6648, 0.2976, 0.2534



Protanomaly

57.4758, 0.2769, 0.2598



Deuteranomaly

57.6189, 0.2816, 0.2613



Tritanomaly

57.6792, 0.3170, 0.2897

Monochromacy



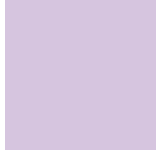
Original Color

57.6648, 0.2976, 0.2534



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

59.5564, 0.3071, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6648, 0.2976, 0.2534 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(231, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 182, 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(231, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.6648, 0.2976, 0.2534 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(231, 182, 255) }
```

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

```
.border{ border-color:rgb(231, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6648, 0.2976, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 182, 255) }
```

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

```
.background{ background-color: rgb(231,  
182, 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](#).

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