

Converting Colors

$Y_{xy}(70.7346, 0.2288, 0.1555)$

Have a look what the booklet for
Yxy(70.7346, 0.2288, 0.1555)
contains.

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Color

Yxy(57.1479, 0.3061, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	F2B0FF
RGB	242, 176, 255
RGB Percent	95%, 69%, 100%
CMY	0.0510, 0.3098, 0.0000
CMYK	0.05, 0.31, 0.00, 0.00
HSL	290°, 100%, 85%
HSV	290°, 31%, 100%
XYZ	70.1965, 57.1479, 101.9810
YIQ	204.7400, 13.9770, 38.5610

Conversions

Conversions Part 2

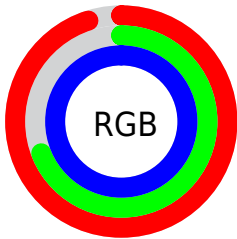
Format	Color
R _Y B	242, 176, 255
Decimal	15905023
CIE _{Lab}	80.26, 37.03, -29.71
CIE _{LCh}	80, 47.476, 321.258
Y _{xy}	57.1479, 0.3061, 0.2492
Android (android.graphics.Color)	4294095103 (0xFFFF2B0FF)
YUV	204.7400, 24.7782, 32.6770
Hunter-Lab	75.5962, 33.4566, -27.0662

Details

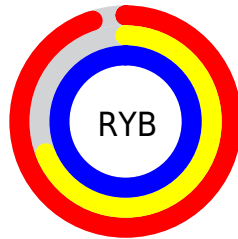
The Yxy color $57.1479, 0.3061, 0.2492$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85.4752, 0.3162, 0.4185$, and the grayscale version is $60.7078, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $28.3106, 0.3036, 0.2313$ is the 20% darker color. If you saturate the color by 10%, you get $47.3342, 0.3031, 0.2234$, and if you desaturate by 10%, it is $68.8551, 0.3087, 0.2756$.

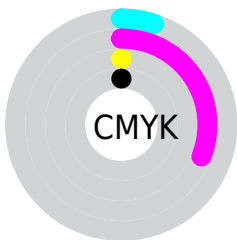
Distribution



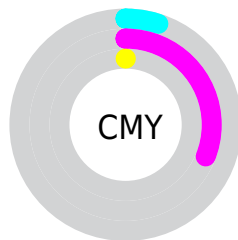
- Red (95%)
- Green (69%)
- Blue (100%)



- Red (95%)
- Yellow (69%)
- Blue (100%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1479, 0.3061, 0.2492 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 57.1479, 0.3061, 0.2492 by changing the saturation by 10% instead.


 57.1479, 0.3061,
0.2492

 57.1479, 0.3061,
0.2492


414.0033, 0.3102,
0.2851

 41.1240, 0.3049,
0.2413


 100.6810, 0.3077,
0.2614

 28.4160, 0.3034,
0.2317


128.9589, 0.3083,
0.2662

 18.6395, 0.3012,
0.2198


162.0903, 0.3087,
0.2704

 11.4101, 0.2981,
0.2048

200.4596, 0.3091,
0.2741

 6.3434, 0.2934,
0.1852

244.4511, 0.3095,
0.2773

 3.0550, 0.2858,
0.1589


294.4493, 0.3097,

 1.1605, 0.2720,

0.2802

0.1224


350.8386, 0.3100,
0.2827


 0.0291, 0.2607,
0.0081


 0.0000, 0.0000,
0.0000


 57.1479, 0.3061,
0.2492

 57.1479, 0.3061,
0.2492


 47.3342, 0.3031,
0.2234


 68.8551, 0.3087,
0.2756


 39.3109, 0.2995,
0.1990

 82.5556, 0.3109,
0.3016

 32.9614, 0.2956,
0.1772

 98.3390, 0.3126,
0.3266

 28.1560, 0.2914,
0.1590

 100.0000, 0.3127,
0.3290

■ 24.7459, 0.2871,
0.1451

■ 22.5525, 0.2827,
0.1359

■ 21.3664, 0.2788,
0.1309

Harmonies

Analogous

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



57.1479, 0.2505, 0.2333



57.1479, 0.3061, 0.2492



57.1479, 0.3695, 0.2819

Triad

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



57.1479, 0.3061, 0.2492



57.1479, 0.4166, 0.4162



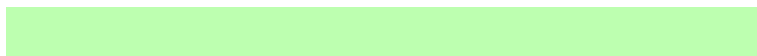
57.1479, 0.2157, 0.3183

Complementary

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



57.1479, 0.3061, 0.2492



85.4752, 0.3162, 0.4185

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.



57.1479, 0.2535, 0.3823



57.1479, 0.3061, 0.2492



57.1479, 0.3693, 0.4412

Square

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



57.1479, 0.3061, 0.2492



57.1479, 0.4364, 0.3731



57.1479, 0.3094, 0.4309



57.1479, 0.2027, 0.2665

Rectangle

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



57.1479, 0.3061, 0.2492



57.1479, 0.4056, 0.3102



57.1479, 0.3094, 0.4309



57.1479, 0.2257, 0.3394

Sweetspot

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



57.1471, 0.3061, 0.2493



85.5115, 0.3112, 0.3067



52.9183, 0.2592, 0.2531



17.8362, 0.3110, 0.3030



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.



57.1471, 0.3061, 0.2493



51.0186, 0.3043, 0.2335



57.9503, 0.3372, 0.2758



18.1401, 0.3111, 0.3054



11.2206, 0.2795, 0.1313



1.1310, 0.2845, 0.1341

Inverse Universe

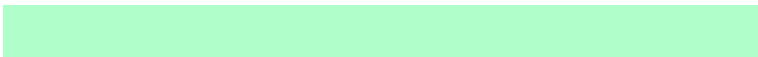
The Inverse Universe completely reimagines the original color for something new.



55.9864, 0.3717, 0.3156



49.7697, 0.3884, 0.3129



85.0306, 0.2946, 0.3892



18.0359, 0.3268, 0.3251



11.2104, 0.6166, 0.3170



1.1046, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 57.1479, 0.3061, 0.2492 looks on a white background.

Color Contrast Check

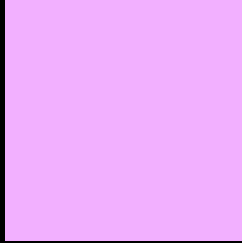
Large Text (above 18pt) WCAG AA × Fail

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 57.1479, 0.3061, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

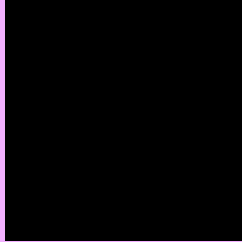
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1479, 0.3061, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 57.1479, 0.3061, 0.2492.

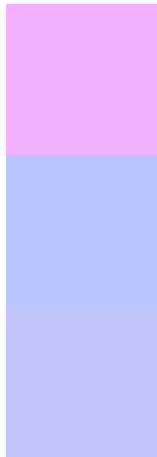


This preview shows how white text looks on a background with the Yxy color 57.1479, 0.3061, 0.2492.

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

57.1479, 0.3061, 0.2492

Protanopia

57.3429, 0.2654, 0.2633

Deuteranopia

57.6514, 0.2729, 0.2671



Tritanopia

57.2501, 0.3410, 0.3137

Trichromacy



Original Color

57.1479, 0.3061, 0.2492



Protanomaly

56.5943, 0.2788, 0.2569



Deuteranomaly

57.1251, 0.2843, 0.2605



Tritanomaly

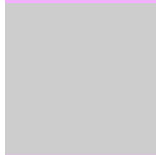
57.0920, 0.3278, 0.2883

Monochromacy



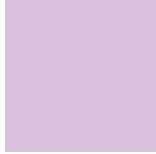
Original Color

57.1479, 0.3061, 0.2492



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

58.8167, 0.3103, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1479, 0.3061, 0.2492 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(242, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 176, 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(242, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.1479, 0.3061, 0.2492 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(242, 176, 255) }
```

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

```
.border{ border-color:rgb(242, 176, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1479, 0.3061, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 176, 255) }
```

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

```
.background{ background-color: rgb(242,  
176, 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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