

Converting Colors

$Y_{xy}(68.3453, 0.3000, 0.2799)$

Have a look what the booklet for
Yxy(68.3453, 0.3000, 0.2799)
contains.

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Color

Yxy(68.5581, 0.3005, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	E9CEFD
RGB	233, 206, 253
RGB Percent	91%, 81%, 99%
CMY	0.0864, 0.1921, 0.0079
CMYK	0.08, 0.19, 0.00, 0.01
HSL	274°, 92%, 90%
HSV	274°, 19%, 99%
XYZ	73.3940, 68.5581, 102.2876
YIQ	219.4310, 1.0050, 20.3410

Conversions

Conversions Part 2

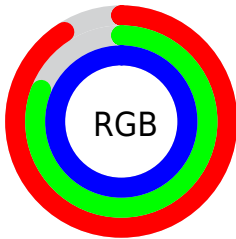
Format	Color
R _Y B	233, 206, 253
Decimal	15322877
CIE Lab	86.28, 17.83, -19.52
CIE LCh	86, 26.443, 312.409
Yxy	68.5581, 0.3005, 0.2807
Android (android.graphics.Color)	4293512957 (0xFFE9CEFD)
YUV	219.4310, 16.5495, 11.9000
Hunter-Lab	82.7998, 13.3233, -15.2846

Details

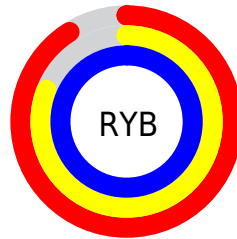
The Yxy color **68.5581, 0.3005, 0.2807** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.8821, 0.3230, 0.3781**, and the grayscale version is **71.0344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7891, 0.2975, 0.2708** is the 20% darker color. If you saturate the color by 10%, you get **55.5824, 0.2923, 0.2524**, and if you desaturate by 10%, it is **83.6113, 0.3075, 0.3075**.

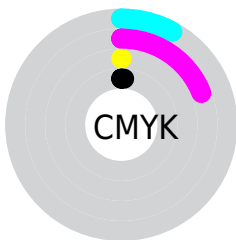
Distribution



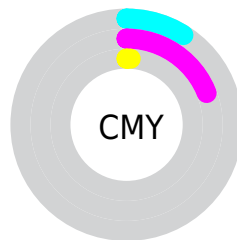
- Red (91%)
- Green (81%)
- Blue (99%)



- Red (91%)
- Yellow (81%)
- Blue (99%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)





- Cyan (9%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5581, 0.3005, 0.2807 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 68.5581, 0.3005, 0.2807 by changing the saturation by 10% instead.


 68.5581, 0.3005,
0.2807

 68.5581, 0.3005,
0.2807

455.4709, 0.3065,
0.3025

 50.3519, 0.2991,
0.2759


117.1502, 0.3026,
0.2881

 35.6931, 0.2973,
0.2700


148.3049, 0.3034,
0.2911

 24.1973, 0.2949,
0.2626


184.5445, 0.3041,
0.2936

 15.4800, 0.2918,
0.2532

226.2535, 0.3047,
0.2958

 9.1570, 0.2875,
0.2407

273.8162, 0.3052,
0.2978

 4.8437, 0.2809,
0.2234

327.6171, 0.3057,

 2.1559, 0.2703,

0.2995

0.1981

388.0405, 0.3061,
0.3011

0.6958, 0.2514,
0.1557

0.0000, 0.0462,
0.0000

68.5581, 0.3005,
0.2807

68.5581, 0.3005,
0.2807

55.5824, 0.2923,
0.2524

83.6113, 0.3075,
0.3075

44.5797, 0.2830,
0.2233

99.7845, 0.3136,
0.3309

35.4498, 0.2727,
0.1945

99.8715, 0.3139,
0.3309

28.0797, 0.2615,
0.1671

■ 22.3438, 0.2499,
0.1426

■ 18.0993, 0.2383,
0.1224

■ 15.1775, 0.2273,
0.1073

■ 13.3395, 0.2170,
0.0974

■ 13.1193, 0.2156,
0.0961

Harmonies

Analogous

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



68.5581, 0.2722, 0.2756



68.5581, 0.3005, 0.2807



68.5581, 0.3336, 0.2970

Triad

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



68.5581, 0.3005, 0.2807



68.5581, 0.3731, 0.3719



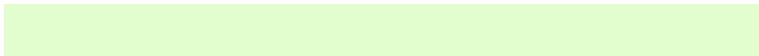
68.5581, 0.2652, 0.3344

Complementary

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



68.5581, 0.3005, 0.2807



90.8821, 0.3230, 0.3781

Split Complementary

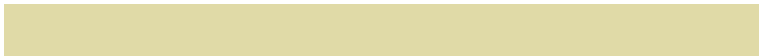
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.5581, 0.2903, 0.3644



68.5581, 0.3005, 0.2807



68.5581, 0.3528, 0.3859

Square

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



68.5581, 0.3005, 0.2807



68.5581, 0.3767, 0.3480



68.5581, 0.3223, 0.3838



68.5581, 0.2527, 0.3046

Rectangle

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



68.5581, 0.3005, 0.2807



68.5581, 0.3537, 0.3125



68.5581, 0.3223, 0.3838



68.5581, 0.2724, 0.3449

Sweetspot

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



68.5610, 0.3005, 0.2807



89.4070, 0.3092, 0.3141



74.8138, 0.2831, 0.3005



18.9004, 0.3088, 0.3124



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.



68.5610, 0.3005, 0.2807



65.0218, 0.2978, 0.2711



71.9278, 0.3170, 0.2857



17.8920, 0.3069, 0.3051



7.0670, 0.2172, 0.0970



0.7525, 0.2285, 0.1032

Inverse Universe

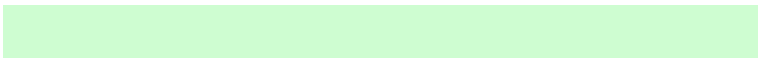
The Inverse Universe completely reimagines the original color for something new.



70.5283, 0.3341, 0.3088



67.3793, 0.3390, 0.3048



87.9829, 0.3086, 0.3765



18.1157, 0.3227, 0.3189



11.7115, 0.5275, 0.2679



1.1616, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 68.5581, 0.3005, 0.2807 looks on a white background.

Color Contrast Check

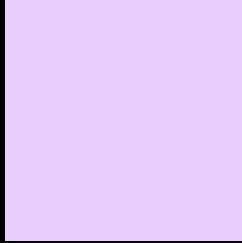
Large Text (above 18pt) WCAG AA × Fail

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 68.5581, 0.3005, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

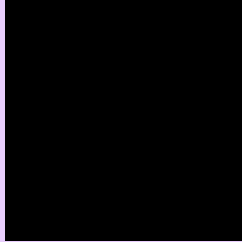
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

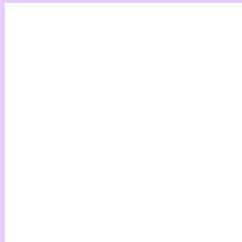
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5581, 0.3005, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 68.5581, 0.3005, 0.2807.

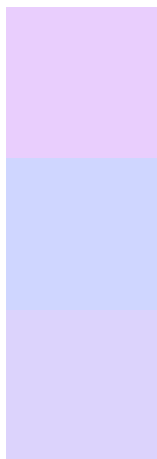


This preview shows how white text looks on a background with the Yxy color 68.5581, 0.3005, 0.2807.

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

68.5581, 0.3005, 0.2807

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.8325, 0.2922, 0.2857



Tritanopia

68.7926, 0.3150, 0.3119

Trichromacy



Original Color

68.5581, 0.3005, 0.2807

Protanomaly

68.3432, 0.2882, 0.2834

Deuteranomaly

68.6368, 0.2956, 0.2840

Tritanomaly

68.4801, 0.3097, 0.3005

Monochromacy



Original Color

68.5581, 0.3005, 0.2807

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.7099, 0.3085, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5581, 0.3005, 0.2807 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(233, 206, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 206, 253)  
}
```

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(233, 206, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 206, 253) }
```

Border

The CSS property to change the border of an element to Yxy 68.5581, 0.3005, 0.2807 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(233, 206, 253) }
```

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

```
.border{ border-color:rgb(233, 206, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 206, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 206, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 206, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 206,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5581, 0.3005, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 206, 253) }
```

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

```
.background{ background-color: rgb(233,  
206, 253) }
```

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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