

Converting Colors

Yxy(68.0931, 0.3089, 0.3014)

Have a look what the booklet for
Yxy(68.0931, 0.3089, 0.3014)
contains.

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Color

Yxy(68.0931, 0.3089, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	E4D1EB
RGB	228, 209, 235
RGB Percent	89%, 82%, 92%
CMY	0.1059, 0.1804, 0.0785
CMYK	0.03, 0.11, 0.00, 0.08
HSL	284°, 39%, 87%
HSV	284°, 11%, 92%
XYZ	69.7875, 68.0931, 88.0421
YIQ	217.6450, 2.9780, 12.1140

Conversions

Conversions Part 2

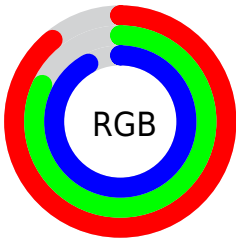
Format	Color
R _Y B	228, 209, 235
Decimal	14995947
CIE Lab	86.05, 11.19, -10.37
CIE LCh	86, 15.260, 317.178
Yxy	68.0931, 0.3089, 0.3014
Android (android.graphics.Color)	4293186027 (0xFFE4D1EB)
YUV	217.6450, 8.5560, 9.0813
Hunter-Lab	82.5185, 6.5534, -5.4957

Details

The Yxy color **68.0931, 0.3089, 0.3014** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.6022, 0.3161, 0.3573**, and the grayscale version is **69.7934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5816, 0.3085, 0.2959** is the 20% darker color. If you saturate the color by 10%, you get **56.3896, 0.3047, 0.2750**, and if you desaturate by 10%, it is **81.5405, 0.3124, 0.3265**.

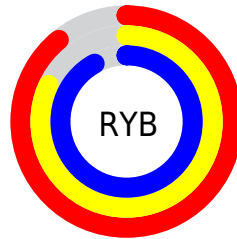
Distribution



Red (89%)

Green (82%)

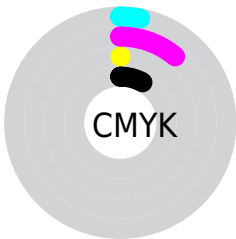
Blue (92%)



Red (89%)

Yellow (82%)

Blue (92%)

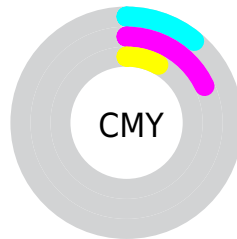


Cyan (3%)

Magenta (11%)

Yellow (0%)

Black (8%)



Cyan (11%)


Magenta (18%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0931, 0.3089, 0.3014 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 68.0931, 0.3089, 0.3014 by changing the saturation by 10% instead.


 68.0931, 0.3089,
0.3014

 68.0931, 0.3089,
0.3014


453.8258, 0.3108,
0.3141

 49.9735, 0.3084,
0.2985

116.4853, 0.3096,
0.3058

 35.3923, 0.3079,
0.2950


147.5267, 0.3098,
0.3075

 23.9652, 0.3071,
0.2905


183.6441, 0.3101,
0.3090

 15.3078, 0.3060,
0.2847

225.2220, 0.3102,
0.3102

 9.0357, 0.3046,
0.2769

272.6447, 0.3104,
0.3114

 4.7645, 0.3023,
0.2657

326.2967, 0.3106,

 2.1098, 0.2983,

0.3124

0.2485

386.5622, 0.3107,
0.3133

0.6701, 0.2919,
0.2144

0.0000, 0.0000,
0.0000

68.0931, 0.3089,
0.3014

68.0931, 0.3089,
0.3014

56.3896, 0.3047,
0.2750

81.5405, 0.3124,
0.3265

46.3468, 0.2998,
0.2479

96.1511, 0.3153,
0.3489

37.8875, 0.2941,
0.2208

97.2787, 0.3193,
0.3486

30.9250, 0.2878,
0.1948

98.4451, 0.3233,
0.3484

■ 25.3642, 0.2809,
0.1710

■ 98.7767, 0.3244,
0.3483

■ 21.0986, 0.2737,
0.1506

■ 18.0064, 0.2663,
0.1346

■ 15.9418, 0.2591,
0.1233

■ 14.7524, 0.2528,
0.1166

Harmonies

Analogous

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



68.0931, 0.2914, 0.2974



68.0931, 0.3089, 0.3014



68.0931, 0.3279, 0.3122

Triad

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



68.0931, 0.3089, 0.3014



68.0931, 0.3464, 0.3561



68.0931, 0.2832, 0.3296

Complementary

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



68.0931, 0.3089, 0.3014



78.6022, 0.3161, 0.3573

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.



68.0931, 0.2972, 0.3467



68.0931, 0.3089, 0.3014



68.0931, 0.3337, 0.3621

Square

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



68.0931, 0.3089, 0.3014



68.0931, 0.3499, 0.3433



68.0931, 0.3156, 0.3588



68.0931, 0.2769, 0.3130

Rectangle

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



68.0931, 0.3089, 0.3014



68.0931, 0.3387, 0.3220



68.0931, 0.3156, 0.3588



68.0931, 0.2871, 0.3355

Sweetspot

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



68.0960, 0.3089, 0.3014



94.8282, 0.3118, 0.3217



68.8526, 0.2954, 0.3085



20.0084, 0.3115, 0.3197



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.



68.0960, 0.3089, 0.3014



78.9933, 0.3081, 0.2962



68.9397, 0.3179, 0.3076



15.0985, 0.3095, 0.3055



8.2782, 0.2539, 0.1173



0.6968, 0.2635, 0.1225

Inverse Universe

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



68.2200, 0.3274, 0.3216



79.1785, 0.3304, 0.3202



77.8462, 0.3079, 0.3514



15.1205, 0.3251, 0.3227



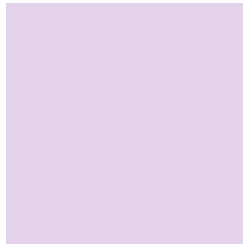
10.0484, 0.5867, 0.3006



0.8046, 0.5474, 0.2789

Previews

White Background



This preview shows how the Yxy color 68.0931, 0.3089, 0.3014 looks on a white background.

Color Contrast Check

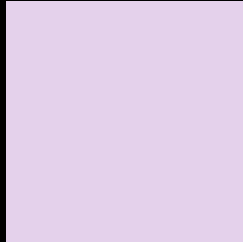
Large Text (above 18pt) WCAG AA × Fail

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 68.0931, 0.3089, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

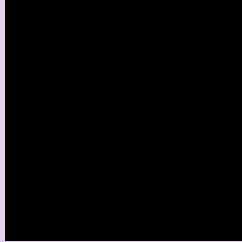
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

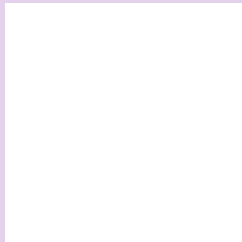
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0931, 0.3089, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 68.0931, 0.3089, 0.3014.



This preview shows how white text looks on a background with the Yxy color 68.0931, 0.3089, 0.3014.

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

68.0931, 0.3089, 0.3014

Protanopia

68.2632, 0.2955, 0.3028

Deuteranopia

67.9300, 0.3082, 0.3013



Tritanopia

67.9701, 0.3136, 0.3107

Trichromacy



Original Color

68.0931, 0.3089, 0.3014

Protanomaly

68.1068, 0.3004, 0.3020

Deuteranomaly

67.9300, 0.3082, 0.3013

Tritanomaly

68.1373, 0.3115, 0.3076

Monochromacy



Original Color

68.0931, 0.3089, 0.3014

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.5123, 0.3117, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0931, 0.3089, 0.3014 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(228, 209, 235)` looks like.

```
.text, #text, p{  
    color:rgb(228, 209, 235)  
}
```

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(228, 209, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 209, 235) }
```

Border

The CSS property to change the border of an element to Yxy 68.0931, 0.3089, 0.3014 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(228, 209, 235) }
```

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

```
.border{ border-color:rgb(228, 209, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 209, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 209, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 209, 235);  
box-shadow:4px 4px 4px 4px rgb(228, 209,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0931, 0.3089, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 209, 235) }
```

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

```
.background{ background-color: rgb(228,  
209, 235) }
```

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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