

Converting Colors

Yxy(65.0182, 0.3007, 0.2777)

Have a look what the booklet for
Yxy(65.0182, 0.3007, 0.2777)
contains.

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Color

Yxy(64.9711, 0.3010, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	E6C8F9
RGB	230, 200, 249
RGB Percent	90%, 78%, 98%
CMY	0.0983, 0.2156, 0.0235
CMYK	0.08, 0.20, 0.00, 0.02
HSL	277°, 80%, 88%
HSV	277°, 20%, 98%
XYZ	70.3717, 64.9711, 98.4503
YIQ	214.5560, 2.1510, 21.5990

Conversions

Conversions Part 2

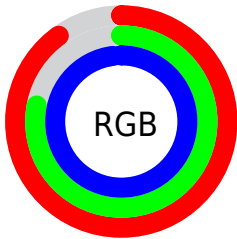
Format	Color
R _Y B	230, 200, 249
Decimal	15124729
CIE Lab	84.47, 19.28, -20.17
CIE LCh	84, 27.903, 313.695
Yxy	64.9711, 0.3010, 0.2779
Android (android.graphics.Color)	4293314809 (0xFFE6C8F9)
YUV	214.5560, 16.9809, 13.5444
Hunter-Lab	80.6047, 14.7809, -15.9934

Details

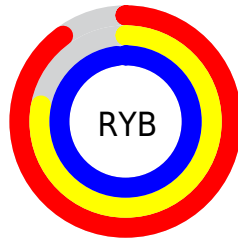
The Yxy color $64.9711, 0.3010, 0.2779$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $86.9929, 0.3224, 0.3814$, and the grayscale version is $67.5195, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.3622, 0.2981, 0.2670$ is the 20% darker color. If you saturate the color by 10%, you get $52.8043, 0.2935, 0.2498$, and if you desaturate by 10%, it is $79.1107, 0.3074, 0.3047$.

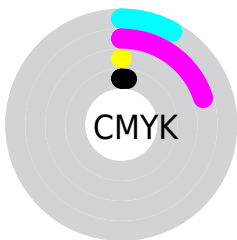
Distribution



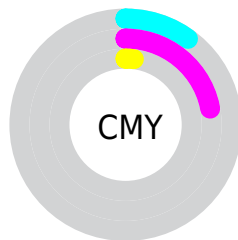
- Red (90%)
- Green (78%)
- Blue (98%)



- Red (90%)
- Yellow (78%)
- Blue (98%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (22%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9711, 0.3010, 0.2779 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 64.9711, 0.3010, 0.2779 by changing the saturation by 10% instead.

64.9711, 0.3010,
0.2779

64.9711, 0.3010,
0.2779

442.6881, 0.3068,
0.3011

47.4376, 0.2996,
0.2727

112.0083, 0.3031,
0.2859

33.3818, 0.2978,
0.2664

142.2809, 0.3039,
0.2890

22.4191, 0.2954,
0.2584

177.5685, 0.3046,
0.2917

14.1651, 0.2923,
0.2482

218.2558, 0.3051,
0.2940

8.2356, 0.2877,
0.2347

264.7270, 0.3056,
0.2961

4.2461, 0.2809,
0.2158

317.3665, 0.3061,

1.8121, 0.2694,

0.2980

0.1880

376.5587, 0.3065,
0.2996

0.4947, 0.2511,
0.1315

0.0000, 0.0000,
0.0000

64.9711, 0.3010,
0.2779

64.9711, 0.3010,
0.2779

52.8043, 0.2935,
0.2498

79.1107, 0.3074,
0.3047

42.5098, 0.2850,
0.2211

95.3009, 0.3129,
0.3298

33.9905, 0.2755,
0.1930

99.6193, 0.3162,
0.3347

27.1373, 0.2653,
0.1665

■ 21.8283, 0.2547,
0.1432

■ 17.9245, 0.2441,
0.1241

■ 15.2610, 0.2338,
0.1102

■ 13.5753, 0.2243,
0.1010

■ 13.5261, 0.2240,
0.1008

Harmonies

Analogous

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



64.9711, 0.2704, 0.2718



64.9711, 0.3010, 0.2779



64.9711, 0.3365, 0.2957

Triad

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



64.9711, 0.3010, 0.2779



64.9711, 0.3769, 0.3758



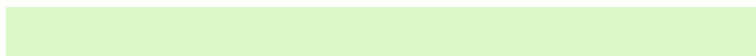
64.9711, 0.2609, 0.3332

Complementary

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



64.9711, 0.3010, 0.2779



86.9929, 0.3224, 0.3814

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.



64.9711, 0.2872, 0.3660



64.9711, 0.3010, 0.2779



64.9711, 0.3544, 0.3905

Square

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



64.9711, 0.3010, 0.2779



64.9711, 0.3818, 0.3504



64.9711, 0.3214, 0.3876



64.9711, 0.2483, 0.3014

Rectangle

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



64.9711, 0.3010, 0.2779



64.9711, 0.3580, 0.3124



64.9711, 0.3214, 0.3876



64.9711, 0.2683, 0.3446

Sweetspot

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



64.9739, 0.3010, 0.2779



89.5121, 0.3095, 0.3141



70.1067, 0.2812, 0.2968



18.9252, 0.3092, 0.3125



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.



64.9739, 0.3010, 0.2779



62.7349, 0.2979, 0.2658



67.9977, 0.3185, 0.2847



17.1678, 0.3075, 0.3052



7.3250, 0.2255, 0.1016



0.7396, 0.2367, 0.1077

Inverse Universe

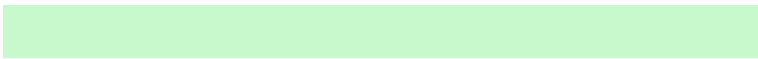
The Inverse Universe completely reimagines the original color for something new.



66.5787, 0.3370, 0.3094



64.7962, 0.3438, 0.3048



84.4363, 0.3074, 0.3777



17.3370, 0.3233, 0.3198



11.2671, 0.5426, 0.2763



1.0636, 0.5106, 0.2587

Previews

White Background



This preview shows how the Yxy color 64.9711, 0.3010, 0.2779 looks on a white background.

Color Contrast Check

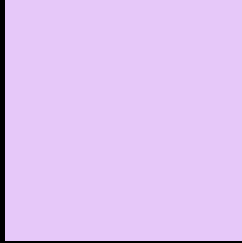
Large Text (above 18pt) WCAG AA × Fail

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 64.9711, 0.3010, 0.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

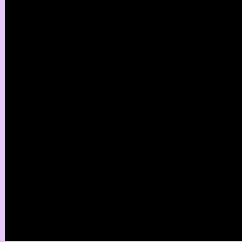
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9711, 0.3010, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 64.9711, 0.3010, 0.2779.

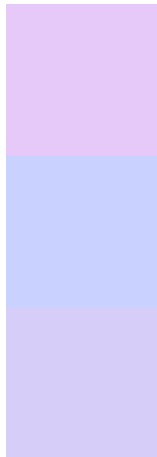


This preview shows how white text looks on a background with the Yxy color 64.9711, 0.3010, 0.2779.

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

64.9711, 0.3010, 0.2779

Protanopia

65.2384, 0.2776, 0.2789

Deuteranopia

65.2161, 0.2904, 0.2837



Tritanopia

65.0519, 0.3173, 0.3116

Trichromacy



Original Color

64.9711, 0.3010, 0.2779

Protanomaly

65.2315, 0.2859, 0.2786

Deuteranomaly

65.1787, 0.2946, 0.2821

Tritanomaly

64.8123, 0.3111, 0.2989

Monochromacy



Original Color

64.9711, 0.3010, 0.2779

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.8549, 0.3084, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9711, 0.3010, 0.2779 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(230, 200, 249)` looks like.

```
.text, #text, p{  
    color:rgb(230, 200, 249)  
}
```

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(230, 200, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 200, 249) }
```

Border

The CSS property to change the border of an element to Yxy 64.9711, 0.3010, 0.2779 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(230, 200, 249) }
```

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

```
.border{ border-color:rgb(230, 200, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 200, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 200, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 200, 249);  
box-shadow:4px 4px 4px 4px rgb(230, 200,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9711, 0.3010, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 200, 249) }
```

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

```
.background{ background-color: rgb(230,  
200, 249) }
```

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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