

Converting Colors

Yxy(64.9250, 0.3034, 0.2695)

Have a look what the booklet for
Yxy(64.9250, 0.3034, 0.2695)
contains.

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Color

Yxy(64.8770, 0.3029, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	EEC4FF
RGB	238, 196, 255
RGB Percent	93%, 77%, 100%
CMY	0.0665, 0.2314, 0.0001
CMYK	0.07, 0.23, 0.00, 0.00
HSL	283°, 100%, 88%
HSV	283°, 23%, 100%
XYZ	73.0529, 64.8770, 103.2485
YIQ	215.2840, 6.0930, 27.2530

Conversions

Conversions Part 2

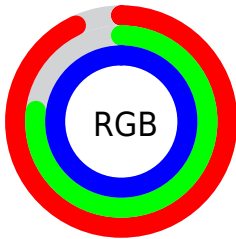
Format	Color
R _Y B	238, 196, 255
Decimal	15647999
CIE Lab	84.42, 25.16, -23.35
CIE LCh	84, 34.325, 317.135
Yxy	64.8770, 0.3029, 0.2690
Android (android.graphics.Color)	4293838079 (0xFFEEC4FF)
YUV	215.2840, 19.5800, 19.9219
Hunter-Lab	80.5463, 20.9380, -19.6187

Details

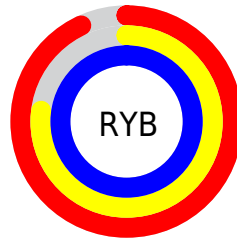
The Yxy color **64.8770, 0.3029, 0.2690** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.6178, 0.3202, 0.3923**, and the grayscale version is **68.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **33.3683, 0.3005, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **53.0969, 0.2974, 0.2415**, and if you desaturate by 10%, it is **78.6685, 0.3076, 0.2958**.

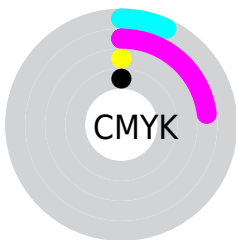
Distribution



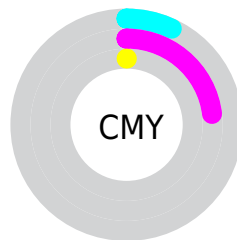
- Red (93%)
- Green (77%)
- Blue (100%)



- Red (93%)
- Yellow (77%)
- Blue (100%)



- Cyan (7%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8770, 0.3029, 0.2690 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 64.8770, 0.3029, 0.2690 by changing the saturation by 10% instead.


 64.8770, 0.3029,
0.2690

 64.8770, 0.3029,
0.2690


442.3498, 0.3080,
0.2960

 47.3613, 0.3016,
0.2630


111.8730, 0.3048,
0.2782

 33.3214, 0.3000,
0.2558


142.1221, 0.3055,
0.2818

 22.3728, 0.2978,
0.2468


177.3846, 0.3060,
0.2850

 14.1311, 0.2949,
0.2353

218.0447, 0.3065,
0.2877

 8.2119, 0.2906,
0.2201

264.4869, 0.3070,
0.2901

 4.2308, 0.2840,
0.1994

317.0955, 0.3074,

 1.8035, 0.2729,

0.2923

0.1696

376.2550, 0.3077,
0.2942

0.4894, 0.2549,
0.1132

0.0000, 0.0274,
0.0000

64.8770, 0.3029,
0.2690

64.8770, 0.3029,
0.2690

53.0969, 0.2974,
0.2415

78.6685, 0.3076,
0.2958

43.2206, 0.2910,
0.2142

94.5554, 0.3116,
0.3214

35.1428, 0.2840,
0.1882

99.9977, 0.3127,
0.3290

28.7445, 0.2765,
0.1646

■ 23.8920, 0.2686,
0.1447

■ 20.4309, 0.2607,
0.1293

■ 18.1734, 0.2531,
0.1188

■ 17.1334, 0.2480,
0.1140

Harmonies

Analogous

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



64.8770, 0.2645, 0.2597



64.8770, 0.3029, 0.2690



64.8770, 0.3467, 0.2917

Triad

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



64.8770, 0.3029, 0.2690



64.8770, 0.3893, 0.3886



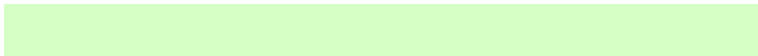
64.8770, 0.2467, 0.3288

Complementary

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



64.8770, 0.3029, 0.2690



89.6178, 0.3202, 0.3923

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.



64.8770, 0.2768, 0.3707



64.8770, 0.3029, 0.2690



64.8770, 0.3592, 0.4056

Square

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



64.8770, 0.3029, 0.2690



64.8770, 0.3985, 0.3581



64.8770, 0.3178, 0.4001



64.8770, 0.2339, 0.2906

Rectangle

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



64.8770, 0.3029, 0.2690



64.8770, 0.3724, 0.3122



64.8770, 0.3178, 0.4001



64.8770, 0.2550, 0.3431

Sweetspot

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



64.8798, 0.3029, 0.2690



88.1762, 0.3102, 0.3116



66.8886, 0.2748, 0.2837



18.6658, 0.3099, 0.3101



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.



64.8798, 0.3029, 0.2690



58.9122, 0.3003, 0.2556



67.2136, 0.3239, 0.2822



18.0230, 0.3092, 0.3052



9.0352, 0.2492, 0.1146



0.9354, 0.2576, 0.1193

Inverse Universe

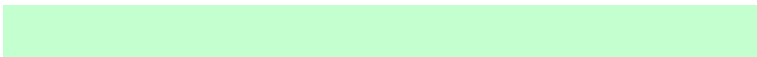
The Inverse Universe completely reimagines the original color for something new.



65.5327, 0.3471, 0.3118



59.7395, 0.3567, 0.3079



87.7763, 0.3032, 0.3809



18.0728, 0.3249, 0.3222



11.3838, 0.5814, 0.2976



1.1263, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 64.8770, 0.3029, 0.2690 looks on a white background.

Color Contrast Check

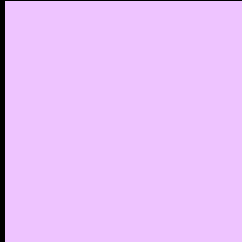
Large Text (above 18pt) WCAG AA × Fail

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 64.8770, 0.3029, 0.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

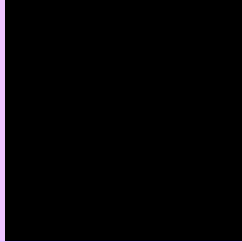
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8770, 0.3029, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 64.8770, 0.3029, 0.2690.

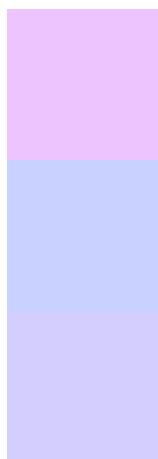


This preview shows how white text looks on a background with the Yxy color 64.8770, 0.3029, 0.2690.

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

64.8770, 0.3029, 0.2690

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.0833, 0.2852, 0.2785



Tritanopia

65.0975, 0.3250, 0.3129

Trichromacy



Original Color

64.8770, 0.3029, 0.2690



Protanomaly

64.7019, 0.2859, 0.2746



Deuteranomaly

64.7690, 0.2914, 0.2742



Tritanomaly

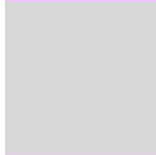
64.7402, 0.3173, 0.2963

Monochromacy



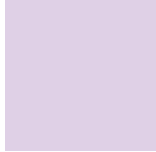
Original Color

64.8770, 0.3029, 0.2690



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.5129, 0.3087, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8770, 0.3029, 0.2690 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(238, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 196, 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(238, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.8770, 0.3029, 0.2690 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(238, 196, 255) }
```

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

```
.border{ border-color:rgb(238, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8770, 0.3029, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 196, 255) }
```

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

```
.background{ background-color: rgb(238,  
196, 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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