

Converting Colors

$Yxy(68.2086, 0.2968, 0.2707)$

Have a look what the booklet for
Yxy(68.2086, 0.2968, 0.2707)
contains.

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Color

Yxy(67.5940, 0.3006, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	EBCBFF
RGB	235, 203, 255
RGB Percent	92%, 80%, 100%
CMY	0.0787, 0.2038, 0.0001
CMYK	0.08, 0.20, 0.00, 0.00
HSL	277°, 100%, 90%
HSV	277°, 20%, 100%
XYZ	73.6454, 67.5940, 103.7552
YIQ	218.4960, 2.3800, 22.9560

Conversions

Conversions Part 2

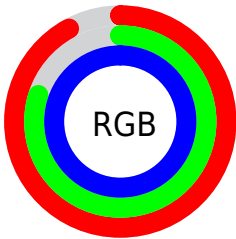
Format	Color
R _Y B	235, 203, 255
Decimal	15453183
CIE Lab	85.80, 20.43, -21.29
CIE LCh	86, 29.507, 313.827
Yxy	67.5940, 0.3006, 0.2759
Android (android.graphics.Color)	4293643263 (0xFFEBCBFF)
YUV	218.4960, 17.9965, 14.4740
Hunter-Lab	82.2156, 16.0158, -17.2725

Details

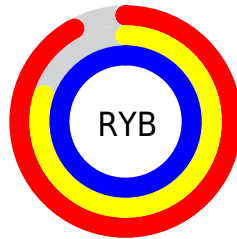
The Yxy color **67.5940, 0.3006, 0.2759** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.5230, 0.3226, 0.3835**, and the grayscale version is **70.3399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1558, 0.2976, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **54.8964, 0.2931, 0.2477**, and if you desaturate by 10%, it is **82.3706, 0.3071, 0.3029**.

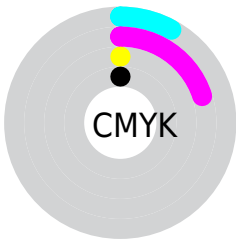
Distribution



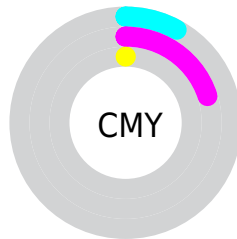
- Red (92%)
- Green (80%)
- Blue (100%)



- Red (92%)
- Yellow (80%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5940, 0.3006, 0.2759 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 67.5940, 0.3006, 0.2759 by changing the saturation by 10% instead.


 67.5940, 0.3006,
0.2759

 67.5940, 0.3006,
0.2759


452.0562, 0.3066,
0.2998

 49.5675, 0.2991,
0.2706


115.7711, 0.3028,
0.2841

 35.0699, 0.2973,
0.2642


146.6906, 0.3036,
0.2873

 23.7167, 0.2949,
0.2561


182.6765, 0.3043,
0.2900

 15.1236, 0.2917,
0.2459

224.1132, 0.3049,
0.2925

 8.9062, 0.2872,
0.2324

271.3851, 0.3054,
0.2946

 4.6800, 0.2804,
0.2137

324.8766, 0.3058,

 2.0608, 0.2693,

0.2965

0.1867

384.9722, 0.3062,
0.2983

0.6424, 0.2498,
0.1409

0.0000, 0.0550,
0.0000

67.5940, 0.3006,
0.2759

67.5940, 0.3006,
0.2759

54.8964, 0.2931,
0.2477

82.3706, 0.3071,
0.3029

44.1710, 0.2845,
0.2191

99.3092, 0.3125,
0.3281

35.3144, 0.2751,
0.1910

99.9987, 0.3127,
0.3290

28.2099, 0.2649,
0.1648

■ 22.7273, 0.2543,
0.1418

■ 18.7178, 0.2438,
0.1231

■ 16.0036, 0.2337,
0.1096

■ 14.3405, 0.2246,
0.1011

Harmonies

Analogous

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



67.5940, 0.2687, 0.2695



67.5940, 0.3006, 0.2759



67.5940, 0.3377, 0.2945

Triad

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



67.5940, 0.3006, 0.2759



67.5940, 0.3796, 0.3778



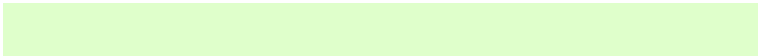
67.5940, 0.2586, 0.3332

Complementary

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



67.5940, 0.3006, 0.2759



91.5230, 0.3226, 0.3835

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.



67.5940, 0.2859, 0.3675



67.5940, 0.3006, 0.2759



67.5940, 0.3560, 0.3932

Square

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



67.5940, 0.3006, 0.2759



67.5940, 0.3849, 0.3513



67.5940, 0.3215, 0.3902



67.5940, 0.2456, 0.3000

Rectangle

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



67.5940, 0.3006, 0.2759



67.5940, 0.3601, 0.3118



67.5940, 0.3215, 0.3902



67.5940, 0.2663, 0.3451

Sweetspot

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



67.5969, 0.3006, 0.2759



89.5205, 0.3096, 0.3141



73.1312, 0.2800, 0.2955



18.9272, 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.



67.5969, 0.3006, 0.2759



62.7655, 0.2980, 0.2658



70.8735, 0.3187, 0.2830



17.9298, 0.3076, 0.3051



7.5832, 0.2261, 0.1019



0.8014, 0.2367, 0.1078

Inverse Universe

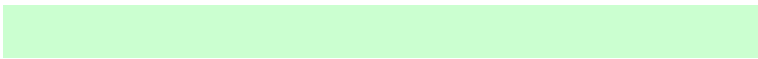
The Inverse Universe completely reimagines the original color for something new.



69.3174, 0.3382, 0.3088



64.7867, 0.3439, 0.3050



88.7741, 0.3072, 0.3798



18.1032, 0.3233, 0.3199



11.6010, 0.5441, 0.2771



1.1502, 0.5135, 0.2602

Previews

White Background



This preview shows how the Yxy color 67.5940, 0.3006, 0.2759 looks on a white background.

Color Contrast Check

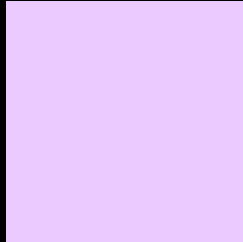
Large Text (above 18pt) WCAG AA × Fail

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 67.5940, 0.3006, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

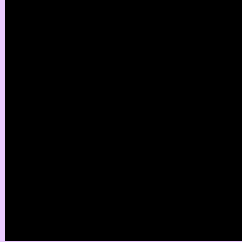
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5940, 0.3006, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 67.5940, 0.3006, 0.2759.

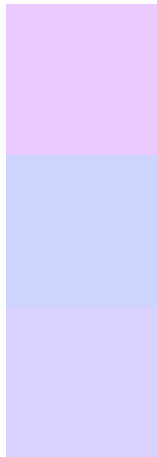


This preview shows how white text looks on a background with the Yxy color 67.5940, 0.3006, 0.2759.

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

67.5940, 0.3006, 0.2759

Protanopia

67.7876, 0.2805, 0.2837

Deuteranopia

68.0007, 0.2889, 0.2824



Tritanopia

67.3710, 0.3173, 0.3108

Trichromacy



Original Color

67.5940, 0.3006, 0.2759

Protanomaly

67.4199, 0.2875, 0.2803

Deuteranomaly

67.6287, 0.2936, 0.2799

Tritanomaly

67.3545, 0.3112, 0.2974

Monochromacy



Original Color

67.5940, 0.3006, 0.2759

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.2053, 0.3086, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5940, 0.3006, 0.2759 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(235, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 203, 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(235, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.5940, 0.3006, 0.2759 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(235, 203, 255) }
```

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

```
.border{ border-color:rgb(235, 203, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5940, 0.3006, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 203, 255) }
```

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

```
.background{ background-color: rgb(235,  
203, 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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