

Converting Colors

Yxy(64.0740, 0.2868, 0.2563)

Have a look what the booklet for
Yxy(64.0740, 0.2868, 0.2563)
contains.

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Color

Yxy(63.0307, 0.2948, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	E3C4FF
RGB	227, 196, 255
RGB Percent	89%, 77%, 100%
CMY	0.1099, 0.2313, 0.0000
CMYK	0.11, 0.23, 0.00, 0.00
HSL	271°, 100%, 88%
HSV	271°, 23%, 100%
XYZ	69.4634, 63.0307, 103.1347
YIQ	211.9950, -0.4630, 24.9210

Conversions

Conversions Part 2

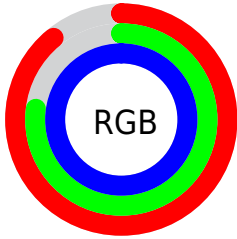
Format	Color
R_{YB}	227, 196, 255
Decimal	14927103
CIE _{Lab}	83.46, 21.68, -24.94
CIE _{LCh}	83, 33.041, 310.999
Yxy	63.0307, 0.2948, 0.2675
Android (android.graphics.Color)	4293117183 (0xFFE3C4FF)
YUV	211.9950, 21.2015, 13.1594
Hunter-Lab	79.3919, 17.2415, -21.4469

Details

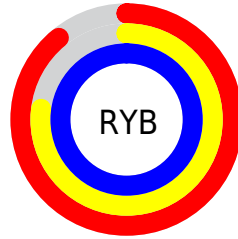
The Yxy color **63.0307, 0.2948, 0.2675** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.3611, 0.3273, 0.3910**, and the grayscale version is **65.6895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **32.0811, 0.2900, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **50.5865, 0.2850, 0.2383**, and if you desaturate by 10%, it is **77.5704, 0.3034, 0.2954**.

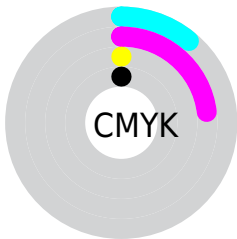
Distribution



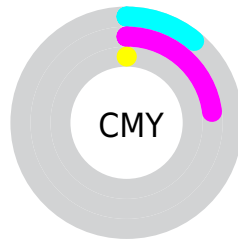
- Red (89%)
- Green (77%)
- Blue (100%)



- Red (89%)
- Yellow (77%)
- Blue (100%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0307, 0.2948, 0.2675 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 63.0307, 0.2948, 0.2675 by changing the saturation by 10% instead.

63.0307, 0.2948,
0.2675

63.0307, 0.2948,
0.2675

435.6809, 0.3037,
0.2953

45.8660, 0.2927,
0.2613

109.2138, 0.2980,
0.2770

32.1401, 0.2899,
0.2538

139.0010, 0.2992,
0.2808

21.4686, 0.2864,
0.2443

173.7646, 0.3002,
0.2840

13.4669, 0.2817,
0.2323

213.8888, 0.3011,
0.2868

7.7509, 0.2750,
0.2164

259.7582, 0.3019,
0.2893

3.9359, 0.2650,
0.1945

311.7571, 0.3025,

1.6378, 0.2486,

0.2916

0.1630

370.2698, 0.3031,
0.2936

0.3829, 0.2235,
0.0957

0.0000, 0.0000,
0.0000

63.0307, 0.2948,
0.2675

63.0307, 0.2948,
0.2675

50.5865, 0.2850,
0.2383

77.5704, 0.3034,
0.2954

40.1334, 0.2740,
0.2085

94.2974, 0.3107,
0.3213

31.5620, 0.2620,
0.1794

100.0000, 0.3127,
0.3290

24.7509, 0.2494,
0.1523

■ 19.5637, 0.2365,
0.1287

■ 15.8434, 0.2241,
0.1100

■ 13.3995, 0.2126,
0.0968

■ 12.2726, 0.2053,
0.0905

Harmonies

Analogous

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



63.0307, 0.2597, 0.2615



63.0307, 0.2948, 0.2675



63.0307, 0.3372, 0.2873

Triad

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



63.0307, 0.2948, 0.2675



63.0307, 0.3909, 0.3818



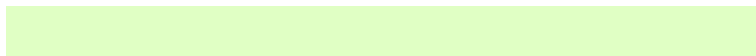
63.0307, 0.2533, 0.3374

Complementary

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



63.0307, 0.2948, 0.2675



91.3611, 0.3273, 0.3910

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.



63.0307, 0.2854, 0.3768



63.0307, 0.2948, 0.2675



63.0307, 0.3652, 0.4017

Square

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



63.0307, 0.2948, 0.2675



63.0307, 0.3949, 0.3506



63.0307, 0.3263, 0.4011



63.0307, 0.2370, 0.2985

Rectangle

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



63.0307, 0.2948, 0.2675



63.0307, 0.3637, 0.3062



63.0307, 0.3263, 0.4011



63.0307, 0.2625, 0.3512

Sweetspot

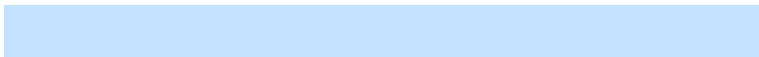
The Sweet Spot groups the original color and five complimentary colors.



63.0316, 0.2948, 0.2675



87.5616, 0.3080, 0.3115



72.5510, 0.2757, 0.2959



18.5233, 0.3075, 0.3100



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.



63.0316, 0.2948, 0.2675



56.7176, 0.2902, 0.2534



67.9030, 0.3161, 0.2721



17.8467, 0.3061, 0.3050



6.5023, 0.2070, 0.0914



0.6982, 0.2190, 0.0980

Inverse Universe

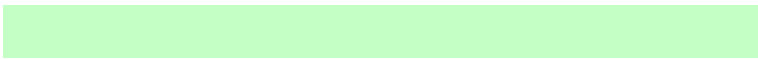
The Inverse Universe completely reimagines the original color for something new.



66.1306, 0.3384, 0.3006



60.4126, 0.3454, 0.2944



87.2887, 0.3091, 0.3933



18.1308, 0.3219, 0.3178



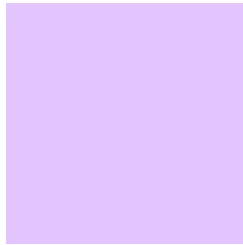
11.8623, 0.5069, 0.2566



1.1769, 0.4802, 0.2419

Previews

White Background



This preview shows how the Yxy color 63.0307, 0.2948, 0.2675 looks on a white background.

Color Contrast Check

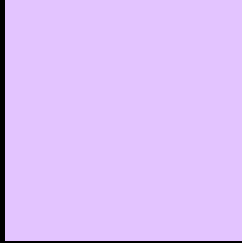
Large Text (above 18pt) WCAG AA × Fail

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 63.0307, 0.2948, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

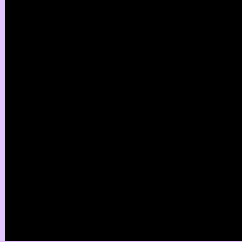
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0307, 0.2948, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 63.0307, 0.2948, 0.2675.

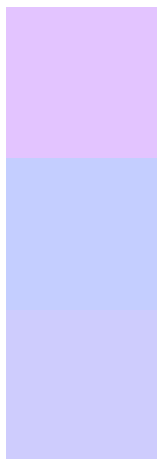


This preview shows how white text looks on a background with the Yxy color 63.0307, 0.2948, 0.2675.

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

63.0307, 0.2948, 0.2675

Protanopia

63.0984, 0.2741, 0.2750

Deuteranopia

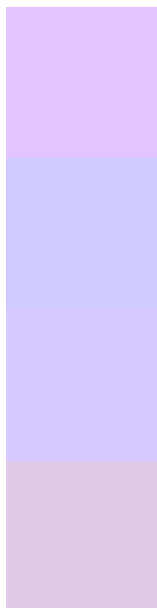
63.3994, 0.2817, 0.2757



Tritanopia

63.1985, 0.3151, 0.3113

Trichromacy



Original Color

63.0307, 0.2948, 0.2675

Protanomaly

62.7265, 0.2811, 0.2716

Deuteranomaly

63.2252, 0.2864, 0.2723

Tritanomaly

62.8227, 0.3075, 0.2943

Monochromacy



Original Color

63.0307, 0.2948, 0.2675

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

64.4958, 0.3057, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0307, 0.2948, 0.2675 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(227, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.0307, 0.2948, 0.2675 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(227, 196, 255) }
```

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

```
.border{ border-color:rgb(227, 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(227, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 196, 255); box-shadow:4px 4px 4px 4px rgb(227, 196, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0307, 0.2948, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 196, 255) }
```

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

```
.background{ background-color: rgb(227,  
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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