

Converting Colors

Yxy(63.5674, 0.2883, 0.2711)

Have a look what the booklet for
Yxy(63.5674, 0.2883, 0.2711)
contains.

Yxy(63.4340, 0.2885, 0.2707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.4340, 0.2885, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	DAC8FF
RGB	218, 200, 255
RGB Percent	85%, 78%, 100%
CMY	0.1453, 0.2156, 0.0000
CMYK	0.15, 0.22, 0.00, 0.00
HSL	260°, 100%, 89%
HSV	260°, 22%, 100%
XYZ	67.6051, 63.4340, 103.2941
YIQ	211.6520, -6.9270, 20.9210

Conversions

Conversions Part 2

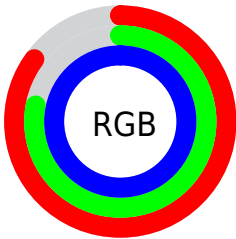
Format	Color
R _Y B	218, 200, 255
Decimal	14338303
CIE Lab	83.67, 16.71, -24.67
CIE LCh	84, 29.799, 304.111
Yxy	63.4340, 0.2885, 0.2707
Android (android.graphics.Color)	4292528383 (0xFFDAC8FF)
YUV	211.6520, 21.3706, 5.5672
Hunter-Lab	79.6455, 12.1359, -21.1428

Details

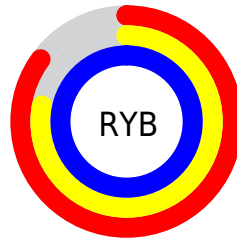
The Yxy color **63.4340, 0.2885, 0.2707** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7099, 0.3335, 0.3851**, and the grayscale version is **65.4513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.4215, 0.2828, 0.2577** is the 20% darker color. If you saturate the color by 10%, you get **50.0782, 0.2747, 0.2400**, and if you desaturate by 10%, it is **79.0386, 0.3007, 0.2992**.

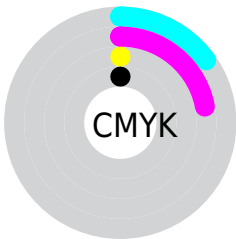
Distribution



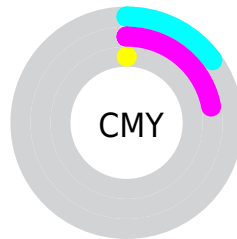
- Red (85%)
- Green (78%)
- Blue (100%)



- Red (85%)
- Yellow (78%)
- Blue (100%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4340, 0.2885, 0.2707 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 63.4340, 0.2885, 0.2707 by changing the saturation by 10% instead.

 63.4340, 0.2885,
0.2707

 63.4340, 0.2885,
0.2707


437.1428, 0.3002,
0.2972

 46.1924, 0.2857,
0.2648


109.7954, 0.2926,
0.2798

 32.3977, 0.2823,
0.2575


139.6840, 0.2942,
0.2834

 21.6654, 0.2778,
0.2484


174.5570, 0.2956,
0.2865

 13.6113, 0.2718,
0.2368

214.7989, 0.2968,
0.2892

 7.8508, 0.2636,
0.2213

260.7941, 0.2978,
0.2915

 3.9996, 0.2514,
0.2000

312.9268, 0.2987,

 1.6734, 0.2321,

0.2937

0.1689

371.5816, 0.2995,
0.2955

0.4063, 0.2017,
0.1032

0.0000, 0.0000,
0.0000

63.4340, 0.2885,
0.2707

63.4340, 0.2885,
0.2707

50.0782, 0.2747,
0.2400

79.0386, 0.3007,
0.2992

38.8590, 0.2593,
0.2079

96.9846, 0.3112,
0.3252

29.6638, 0.2429,
0.1757

100.0000, 0.3127,
0.3290

22.3669, 0.2258,
0.1450

■ 16.8280, 0.2092,
0.1177

■ 12.8868, 0.1938,
0.0957

■ 10.3513, 0.1807,
0.0802

■ 9.0640, 0.1718,
0.0720

Harmonies

Analogous

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



63.4340, 0.2592, 0.2687



63.4340, 0.2885, 0.2707



63.4340, 0.3261, 0.2861

Triad

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



63.4340, 0.2885, 0.2707



63.4340, 0.3858, 0.3712



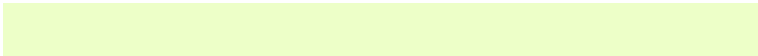
63.4340, 0.2646, 0.3452

Complementary

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



63.4340, 0.2885, 0.2707



93.7099, 0.3335, 0.3851

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.



63.4340, 0.2964, 0.3783



63.4340, 0.2885, 0.2707



63.4340, 0.3669, 0.3918

Square

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



63.4340, 0.2885, 0.2707



63.4340, 0.3842, 0.3419



63.4340, 0.3338, 0.3956



63.4340, 0.2461, 0.3092

Rectangle

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



63.4340, 0.2885, 0.2707



63.4340, 0.3509, 0.3022



63.4340, 0.3338, 0.3956



63.4340, 0.2741, 0.3573

Sweetspot

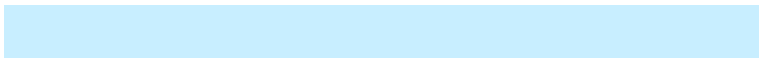
The Sweet Spot groups the original color and five complimentary colors.



63.4361, 0.2885, 0.2707



88.7198, 0.3067, 0.3140



80.4138, 0.2792, 0.3104



18.7381, 0.3060, 0.3123



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.



63.4361, 0.2885, 0.2707



57.2332, 0.2826, 0.2573



67.9380, 0.3078, 0.2740



17.6652, 0.3030, 0.3048



4.8075, 0.1733, 0.0728



0.5243, 0.1854, 0.0795

Inverse Universe

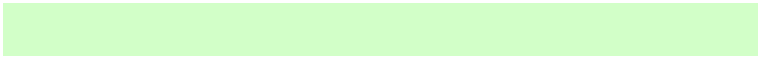
The Inverse Universe completely reimagines the original color for something new.



68.6989, 0.3281, 0.2920



63.4318, 0.3320, 0.2841



89.4080, 0.3161, 0.3883



18.1937, 0.3188, 0.3131



12.6916, 0.4248, 0.2114



1.2558, 0.4099, 0.2032

Previews

White Background



This preview shows how the Yxy color 63.4340, 0.2885, 0.2707 looks on a white background.

Color Contrast Check

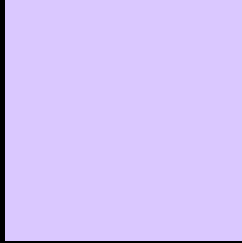
Large Text (above 18pt) WCAG AA × Fail

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 63.4340, 0.2885, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

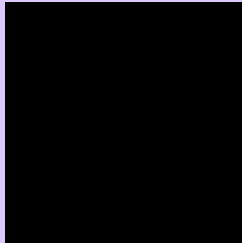
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4340, 0.2885, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 63.4340, 0.2885, 0.2707.

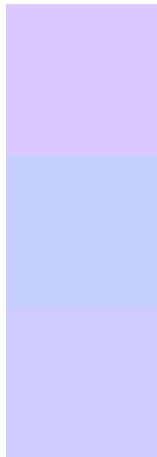


This preview shows how white text looks on a background with the Yxy color 63.4340, 0.2885, 0.2707.

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

63.4340, 0.2885, 0.2707

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.4633, 0.2811, 0.2747



Tritanopia

63.4136, 0.3061, 0.3110

Trichromacy



Original Color

63.4340, 0.2885, 0.2707

Protanomaly

63.3849, 0.2798, 0.2736

Deuteranomaly

63.5693, 0.2838, 0.2741

Tritanomaly

63.4224, 0.2995, 0.2960

Monochromacy



Original Color

63.4340, 0.2885, 0.2707

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.0093, 0.3035, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4340, 0.2885, 0.2707 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(218, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 200, 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(218, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.4340, 0.2885, 0.2707 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(218, 200, 255) }
```

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

```
.border{ border-color:rgb(218, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4340, 0.2885, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 200, 255) }
```

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

```
.background{ background-color: rgb(218,  
200, 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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