

Converting Colors

$Yxy(63.8789, 0.2885, 0.2718)$

Have a look what the booklet for
Yxy(63.8789, 0.2885, 0.2718)
contains.

Yxy(63.8987, 0.2886, 0.2718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8987, 0.2886, 0.2718)

Conversions

Conversions Part 1

Format	Color
Hex	DAC9FF
RGB	218, 201, 255
RGB Percent	85%, 79%, 100%
CMY	0.1451, 0.2117, 0.0001
CMYK	0.15, 0.21, 0.00, 0.00
HSL	259°, 100%, 89%
HSV	259°, 21%, 100%
XYZ	67.8483, 63.8987, 103.3476
YIQ	212.2390, -7.2020, 20.3980

Conversions

Conversions Part 2

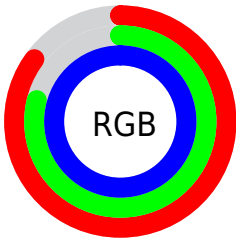
Format	Color
R _Y B	218, 201, 255
Decimal	14338559
CIE _{Lab}	83.91, 16.20, -24.29
CIE _{LCh}	84, 29.194, 303.702
Y _{xy}	63.8987, 0.2886, 0.2718
Android (android.graphics.Color)	4292528639 (0xFFDAC9FF)
Y _{UV}	212.2390, 21.0812, 5.0524
Hunter-Lab	79.9367, 11.6173, -20.6985

Details

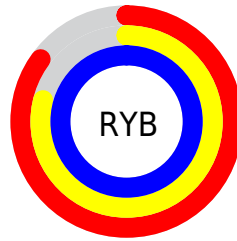
The Yxy color $63.8987, 0.2886, 0.2718$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.8982, 0.3335, 0.3840$, and the grayscale version is $65.8679, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.7312, 0.2829, 0.2591$ is the 20% darker color. If you saturate the color by 10%, you get $50.4307, 0.2746, 0.2411$, and if you desaturate by 10%, it is $79.6289, 0.3009, 0.3003$.

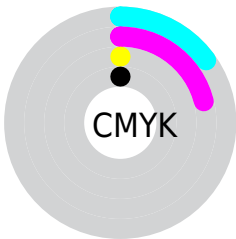
Distribution



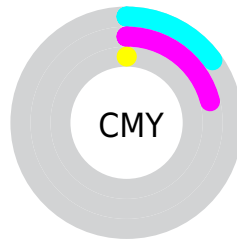
- Red (85%)
- Green (79%)
- Blue (100%)



- Red (85%)
- Yellow (79%)
- Blue (100%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8987, 0.2886, 0.2718 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 63.8987, 0.2886, 0.2718 by changing the saturation by 10% instead.

63.8987, 0.2886,
0.2718

63.8987, 0.2886,
0.2718

438.8237, 0.3002,
0.2978

46.5686, 0.2859,
0.2660

110.4650, 0.2927,
0.2807

32.6948, 0.2824,
0.2589

140.4701, 0.2943,
0.2842

21.8927, 0.2780,
0.2500

175.4689, 0.2956,
0.2873

13.7781, 0.2721,
0.2385

215.8460, 0.2968,
0.2899

7.9665, 0.2639,
0.2234

261.9856, 0.2978,
0.2922

4.0735, 0.2520,
0.2024

314.2721, 0.2987,

1.7148, 0.2329,

0.2943

0.1718

373.0900, 0.2995,
0.2962

0.4332, 0.2027,
0.1088

0.0000, 0.0000,
0.0000

63.8987, 0.2886,
0.2718

63.8987, 0.2886,
0.2718

50.4307, 0.2746,
0.2411

79.6289, 0.3009,
0.3003

39.1109, 0.2591,
0.2089

97.7123, 0.3116,
0.3262

29.8272, 0.2424,
0.1765

99.9987, 0.3127,
0.3290

22.4540, 0.2252,
0.1455

■ 16.8511, 0.2083,
0.1179

■ 12.8585, 0.1929,
0.0956

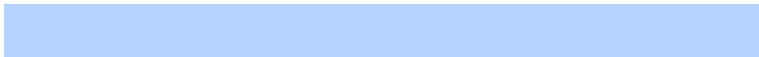
■ 10.2853, 0.1797,
0.0799

■ 8.9378, 0.1704,
0.0712

Harmonies

Analogous

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



63.8987, 0.2601, 0.2701



63.8987, 0.2886, 0.2718



63.8987, 0.3253, 0.2867

Triad

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



63.8987, 0.2886, 0.2718



63.8987, 0.3843, 0.3700



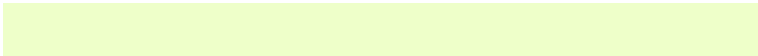
63.8987, 0.2661, 0.3454

Complementary

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



63.8987, 0.2886, 0.2718



93.8982, 0.3335, 0.3840

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.



63.8987, 0.2973, 0.3775



63.8987, 0.2886, 0.2718



63.8987, 0.3661, 0.3902

Square

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



63.8987, 0.2886, 0.2718



63.8987, 0.3824, 0.3413



63.8987, 0.3339, 0.3941



63.8987, 0.2477, 0.3101

Rectangle

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



63.8987, 0.2886, 0.2718



63.8987, 0.3496, 0.3024



63.8987, 0.3339, 0.3941



63.8987, 0.2753, 0.3571

Sweetspot

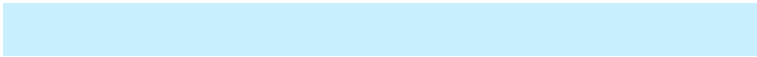
The Sweet Spot groups the original color and five complimentary colors.



63.9014, 0.2886, 0.2718



88.6898, 0.3066, 0.3140



81.2460, 0.2799, 0.3117



18.7310, 0.3059, 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.



63.9014, 0.2886, 0.2718



58.4884, 0.2834, 0.2603



68.2612, 0.3073, 0.2749



17.6553, 0.3028, 0.3048



4.7407, 0.1719, 0.0720



0.5169, 0.1838, 0.0786

Inverse Universe

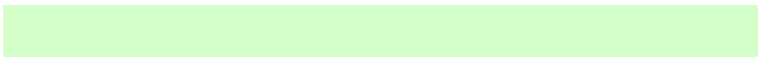
The Inverse Universe completely reimagines the original color for something new.



69.2043, 0.3274, 0.2921



64.6243, 0.3306, 0.2852



89.6921, 0.3166, 0.3870



18.1973, 0.3187, 0.3129



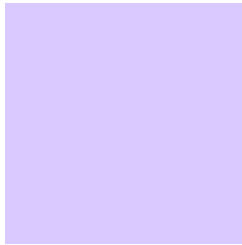
12.7478, 0.4206, 0.2091



1.2610, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 63.8987, 0.2886, 0.2718 looks on a white background.

Color Contrast Check

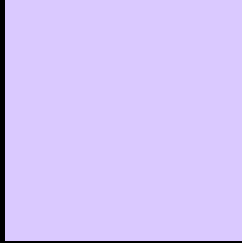
Large Text (above 18pt) WCAG AA × Fail

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 63.8987, 0.2886, 0.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

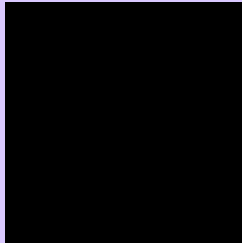
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8987, 0.2886, 0.2718

Background



This preview shows how black text looks on a background with the Yxy color 63.8987, 0.2886, 0.2718.

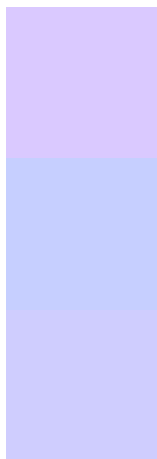


This preview shows how white text looks on a background with the Yxy color 63.8987, 0.2886, 0.2718.

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

63.8987, 0.2886, 0.2718

Protanopia

63.8514, 0.2755, 0.2763

Deuteranopia

64.0838, 0.2819, 0.2760



Tritanopia

64.0995, 0.3061, 0.3111

Trichromacy



Original Color

63.8987, 0.2886, 0.2718

Protanomaly

63.8618, 0.2799, 0.2748

Deuteranomaly

64.1904, 0.2845, 0.2753

Tritanomaly

64.1079, 0.2995, 0.2961

Monochromacy



Original Color

63.8987, 0.2886, 0.2718

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 63.8987, 0.2886, 0.2718 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 201, 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, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8987, 0.2886, 0.2718 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, 201, 255) }
```

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

```
.border{ border-color:rgb(218, 201, 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, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8987, 0.2886, 0.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 201, 255) }
```

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

```
.background{ background-color: rgb(218,  
201, 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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