

Converting Colors

Yxy(63.3468, 0.2929, 0.2817)

Have a look what the booklet for
Yxy(63.3468, 0.2929, 0.2817)
contains.

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Color

Yxy(63.4938, 0.2930, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	D8CAF6
RGB	216, 202, 246
RGB Percent	85%, 79%, 96%
CMY	0.1527, 0.2079, 0.0352
CMYK	0.12, 0.18, 0.00, 0.04
HSL	259°, 71%, 88%
HSV	259°, 18%, 96%
XYZ	66.0877, 63.4938, 95.9738
YIQ	211.2020, -5.7800, 16.6520

Conversions

Conversions Part 2

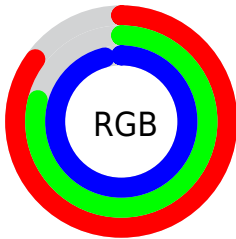
Format	Color
R _{YB}	216, 202, 246
Decimal	14207734
CIE _{Lab}	83.70, 13.21, -19.86
CIE _{LCh}	84, 23.855, 303.631
Yxy	63.4938, 0.2930, 0.2815
Android (android.graphics.Color)	4292397814 (0xFFD8CAF6)
YUV	211.2020, 17.1554, 4.2078
Hunter-Lab	79.6830, 8.5995, -15.6334

Details

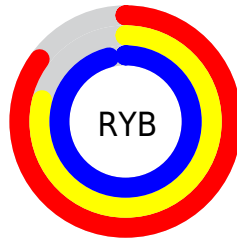
The Yxy color $63.4938, 0.2930, 0.2815$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87.3322, 0.3301, 0.3750$, and the grayscale version is $65.1753, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.4746, 0.2877, 0.2701$ is the 20% darker color. If you saturate the color by 10%, you get $50.4363, 0.2797, 0.2516$, and if you desaturate by 10%, it is $78.6567, 0.3047, 0.3091$.

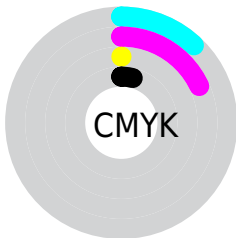
Distribution



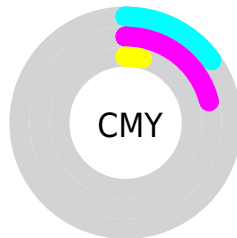
- Red (85%)
- Green (79%)
- Blue (96%)



- Red (85%)
- Yellow (79%)
- Blue (96%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4938, 0.2930, 0.2815 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 63.4938, 0.2930, 0.2815 by changing the saturation by 10% instead.

63.4938, 0.2930,
0.2815

63.4938, 0.2930,
0.2815

437.3594, 0.3025,
0.3033

46.2408, 0.2907,
0.2766

109.8816, 0.2964,
0.2890

32.4359, 0.2879,
0.2705

139.7852, 0.2977,
0.2920

21.6947, 0.2843,
0.2629

174.6745, 0.2988,
0.2945

13.6327, 0.2794,
0.2530

214.9338, 0.2997,
0.2967

7.8657, 0.2726,
0.2397

260.9475, 0.3005,
0.2987

4.0091, 0.2625,
0.2209

313.1001, 0.3013,

1.6787, 0.2460,

0.3004

0.1928

371.7759, 0.3019,
0.3019

0.4098, 0.2194,
0.1263

0.0000, 0.0000,
0.0000

63.4938, 0.2930,
0.2815

63.4938, 0.2930,
0.2815

50.4363, 0.2797,
0.2516

78.6567, 0.3047,
0.3091

39.3813, 0.2648,
0.2199

96.0055, 0.3147,
0.3340

30.2295, 0.2485,
0.1875

99.4349, 0.3179,
0.3376

22.8694, 0.2315,
0.1559

■ 17.1777, 0.2146,
0.1271

■ 13.0150, 0.1986,
0.1029

■ 10.2176, 0.1845,
0.0848

■ 8.5670, 0.1732,
0.0735

■ 8.3007, 0.1711,
0.0716

Harmonies

Analogous

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



63.4938, 0.2693, 0.2803



63.4938, 0.2930, 0.2815



63.4938, 0.3232, 0.2939

Triad

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



63.4938, 0.2930, 0.2815



63.4938, 0.3713, 0.3632



63.4938, 0.2745, 0.3426

Complementary

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



63.4938, 0.2930, 0.2815



87.3322, 0.3301, 0.3750

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.



63.4938, 0.3004, 0.3683



63.4938, 0.2930, 0.2815



63.4938, 0.3567, 0.3793

Square

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



63.4938, 0.2930, 0.2815



63.4938, 0.3696, 0.3396



63.4938, 0.3305, 0.3819



63.4938, 0.2590, 0.3140

Rectangle

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



63.4938, 0.2930, 0.2815



63.4938, 0.3429, 0.3071



63.4938, 0.3305, 0.3819



63.4938, 0.2822, 0.3520

Sweetspot

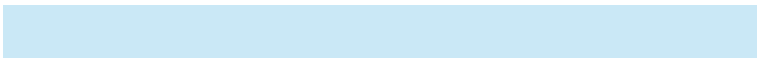
The Sweet Spot groups the original color and five complimentary colors.



63.4965, 0.2930, 0.2815



90.5247, 0.3077, 0.3166



76.9640, 0.2849, 0.3139



19.1014, 0.3070, 0.3148



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.



63.4965, 0.2930, 0.2815



64.1957, 0.2890, 0.2723



67.0565, 0.3088, 0.2837



16.1837, 0.3029, 0.3049



4.4963, 0.1726, 0.0725



0.4480, 0.1860, 0.0798

Inverse Universe

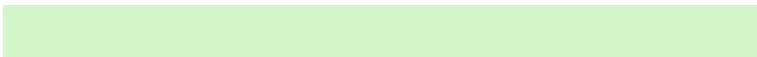
The Inverse Universe completely reimagines the original color for something new.



67.6532, 0.3249, 0.2983



69.4099, 0.3274, 0.2927



83.8955, 0.3156, 0.3771



16.6729, 0.3187, 0.3130



11.9815, 0.4221, 0.2099



1.0717, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 63.4938, 0.2930, 0.2815 looks on a white background.

Color Contrast Check

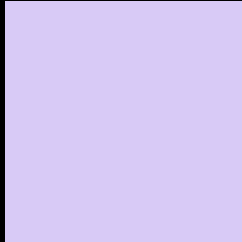
Large Text (above 18pt) WCAG AA × Fail

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 63.4938, 0.2930, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

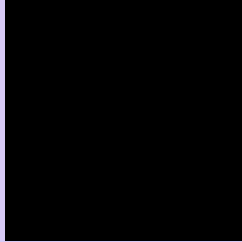
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4938, 0.2930, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 63.4938, 0.2930, 0.2815.

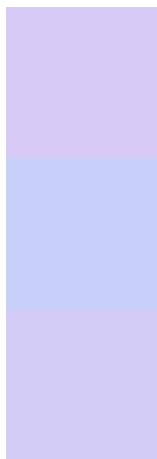


This preview shows how white text looks on a background with the Yxy color 63.4938, 0.2930, 0.2815.

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

63.4938, 0.2930, 0.2815

Protanopia

63.7446, 0.2803, 0.2826

Deuteranopia

63.6884, 0.2895, 0.2833



Tritanopia

63.4136, 0.3061, 0.3110

Trichromacy



Original Color

63.4938, 0.2930, 0.2815

Protanomaly

63.5618, 0.2849, 0.2819

Deuteranomaly

63.5118, 0.2909, 0.2823

Tritanomaly

63.5783, 0.3007, 0.3002

Monochromacy



Original Color

63.4938, 0.2930, 0.2815

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.6397, 0.3054, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4938, 0.2930, 0.2815 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(216, 202, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 202, 246)  
}
```

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(216, 202, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 202, 246) }
```

Border

The CSS property to change the border of an element to Yxy 63.4938, 0.2930, 0.2815 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(216, 202, 246) }
```

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

```
.border{ border-color:rgb(216, 202, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 202, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 202, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 202, 246);  
box-shadow:4px 4px 4px 4px rgb(216, 202,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4938, 0.2930, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 202, 246) }
```

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

```
.background{ background-color: rgb(216,  
202, 246) }
```

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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