

Converting Colors

$Yxy(64.5667, 0.2895, 0.2730)$

Have a look what the booklet for
Yxy(64.5667, 0.2895, 0.2730)
contains.

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Color

Yxy(64.5211, 0.2893, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	DBC AFF
RGB	219, 202, 255
RGB Percent	86%, 79%, 100%
CMY	0.1413, 0.2078, 0.0000
CMYK	0.14, 0.21, 0.00, 0.00
HSL	259°, 100%, 90%
HSV	259°, 21%, 100%
XYZ	68.3735, 64.5211, 103.4465
YIQ	213.1250, -6.8810, 20.0870

Conversions

Conversions Part 2

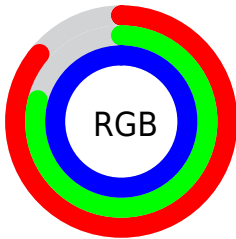
Format	Color
R _Y B	219, 202, 255
Decimal	14404351
CIE Lab	84.24, 15.96, -23.79
CIE LCh	84, 28.648, 303.845
Yxy	64.5211, 0.2893, 0.2730
Android (android.graphics.Color)	4292594431 (0xFFDBC4FF)
YUV	213.1250, 20.6444, 5.1524
Hunter-Lab	80.3250, 11.3722, -20.1290

Details

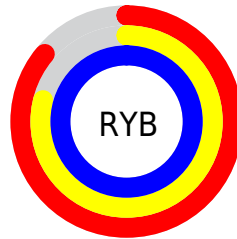
The Yxy color **64.5211, 0.2893, 0.2730** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.9621, 0.3329, 0.3829**, and the grayscale version is **66.4889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.1495, 0.2838, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **50.9783, 0.2755, 0.2424**, and if you desaturate by 10%, it is **80.3265, 0.3015, 0.3014**.

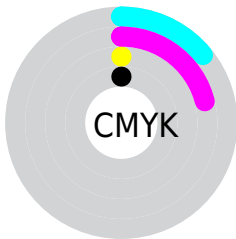
Distribution



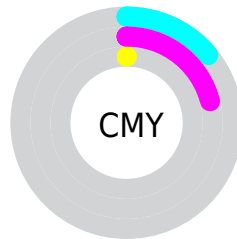
- Red (86%)
- Green (79%)
- Blue (100%)



- Red (86%)
- Yellow (79%)
- Blue (100%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5211, 0.2893, 0.2730 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 64.5211, 0.2893, 0.2730 by changing the saturation by 10% instead.

64.5211, 0.2893,
0.2730

64.5211, 0.2893,
0.2730

441.0690, 0.3006,
0.2985

47.0729, 0.2866,
0.2673

111.3611, 0.2933,
0.2817

33.0933, 0.2833,
0.2603

141.5216, 0.2948,
0.2852

22.1979, 0.2790,
0.2516

176.6883, 0.2961,
0.2881

14.0024, 0.2733,
0.2405

217.2457, 0.2973,
0.2907

8.1223, 0.2655,
0.2257

263.5780, 0.2982,
0.2930

4.1733, 0.2539,
0.2051

316.0697, 0.2991,

1.7710, 0.2355,

0.2950

0.1752

375.1053, 0.2999,
0.2968

■ 0.4690, 0.2060,
0.1157

■ 0.0000, 0.0000,
0.0000

■ 64.5211, 0.2893,
0.2730

■ 64.5211, 0.2893,
0.2730

■ 50.9783, 0.2755,
0.2424

■ 80.3265, 0.3015,
0.3014

■ 39.5843, 0.2601,
0.2103

■ 98.4849, 0.3120,
0.3271

■ 30.2279, 0.2436,
0.1780

■ 99.9992, 0.3127,
0.3290

■ 22.7839, 0.2265,
0.1470

■ 17.1132, 0.2096,
0.1192

■ 13.0569, 0.1941,
0.0967

■ 10.4259, 0.1808,
0.0807

■ 8.9937, 0.1710,
0.0716

Harmonies

Analogous

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



64.5211, 0.2613, 0.2713



64.5211, 0.2893, 0.2730



64.5211, 0.3252, 0.2877

Triad

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



64.5211, 0.2893, 0.2730



64.5211, 0.3827, 0.3693



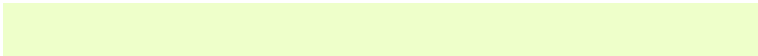
64.5211, 0.2669, 0.3449

Complementary

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



64.5211, 0.2893, 0.2730



93.9621, 0.3329, 0.3829

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.



64.5211, 0.2975, 0.3762



64.5211, 0.2893, 0.2730



64.5211, 0.3648, 0.3890

Square

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



64.5211, 0.2893, 0.2730



64.5211, 0.3809, 0.3412



64.5211, 0.3333, 0.3926



64.5211, 0.2490, 0.3105

Rectangle

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



64.5211, 0.2893, 0.2730



64.5211, 0.3489, 0.3031



64.5211, 0.3333, 0.3926



64.5211, 0.2760, 0.3563

Sweetspot

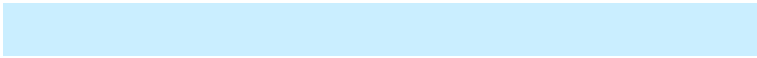
The Sweet Spot groups the original color and five complimentary colors.



64.5238, 0.2893, 0.2730



88.7033, 0.3067, 0.3140



81.0525, 0.2804, 0.3112



18.7342, 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.



64.5238, 0.2893, 0.2730



58.5348, 0.2837, 0.2603



68.9317, 0.3081, 0.2761



17.6597, 0.3029, 0.3048



4.7704, 0.1725, 0.0724



0.5202, 0.1845, 0.0790

Inverse Universe

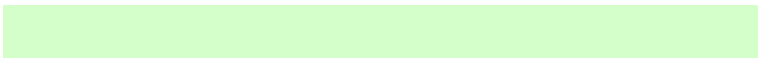
The Inverse Universe completely reimagines the original color for something new.



69.6835, 0.3272, 0.2931



64.6062, 0.3308, 0.2855



89.7343, 0.3160, 0.3858



18.1957, 0.3187, 0.3130



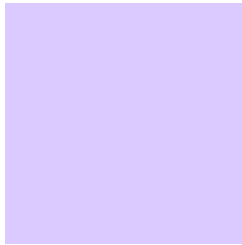
12.7224, 0.4225, 0.2101



1.2587, 0.4079, 0.2021

Previews

White Background



This preview shows how the Yxy color 64.5211, 0.2893, 0.2730 looks on a white background.

Color Contrast Check

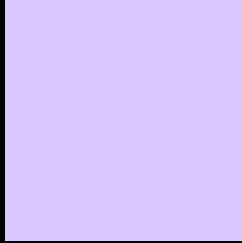
Large Text (above 18pt) WCAG AA × Fail

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 64.5211, 0.2893, 0.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

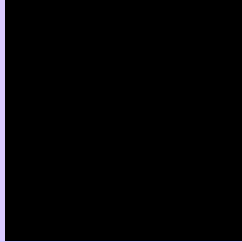
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

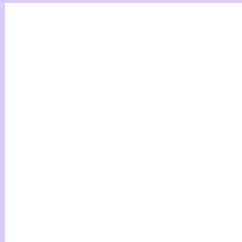
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5211, 0.2893, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 64.5211, 0.2893, 0.2730.

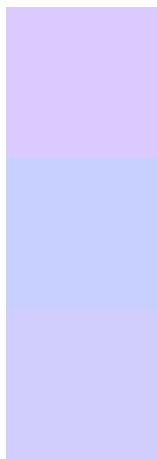


This preview shows how white text looks on a background with the Yxy color 64.5211, 0.2893, 0.2730.

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

64.5211, 0.2893, 0.2730

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

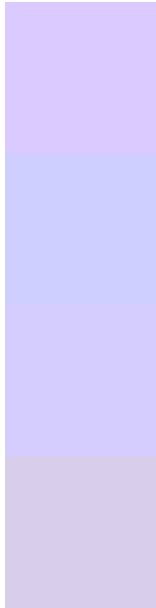
64.8537, 0.2833, 0.2773



Tritanopia

64.7897, 0.3062, 0.3112

Trichromacy



Original Color

64.5211, 0.2893, 0.2730

Protanomaly

64.4844, 0.2806, 0.2760

Deuteranomaly

64.9645, 0.2859, 0.2766

Tritanomaly

64.7397, 0.3002, 0.2973

Monochromacy



Original Color

64.5211, 0.2893, 0.2730

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.6494, 0.3042, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5211, 0.2893, 0.2730 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(219, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 202, 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(219, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5211, 0.2893, 0.2730 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(219, 202, 255) }
```

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

```
.border{ border-color:rgb(219, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 202, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 202, 255); box-shadow:4px 4px 4px 4px rgb(219, 202, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5211, 0.2893, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 202, 255) }
```

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

```
.background{ background-color: rgb(219,  
202, 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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