

Converting Colors

$Yxy(66.2732, 0.2705, 0.2437)$

Have a look what the booklet for
Yxy(66.2732, 0.2705, 0.2437)
contains.

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Color

Yxy(64.0534, 0.2893, 0.2719)

Conversions

Conversions Part 1

Format	Color
Hex	DBC9FF
RGB	219, 201, 255
RGB Percent	86%, 79%, 100%
CMY	0.1411, 0.2118, 0.0000
CMYK	0.14, 0.21, 0.00, 0.00
HSL	260°, 100%, 89%
HSV	260°, 21%, 100%
XYZ	68.1524, 64.0534, 103.3712
YIQ	212.5380, -6.6060, 20.6100

Conversions

Conversions Part 2

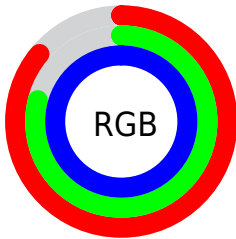
Format	Color
R _Y B	219, 201, 255
Decimal	14404095
CIE Lab	83.99, 16.52, -24.16
CIE LCh	84, 29.270, 304.357
Yxy	64.0534, 0.2893, 0.2719
Android (android.graphics.Color)	4292594175 (0xFFDBC9FF)
YUV	212.5380, 20.9338, 5.6672
Hunter-Lab	80.0334, 11.9433, -20.5557

Details

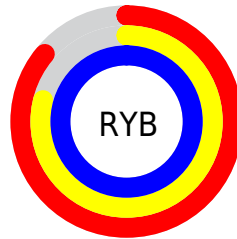
The Yxy color **64.0534, 0.2893, 0.2719** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7318, 0.3328, 0.3841**, and the grayscale version is **66.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.8372, 0.2838, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **50.6356, 0.2757, 0.2413**, and if you desaturate by 10%, it is **79.7188, 0.3013, 0.3003**.

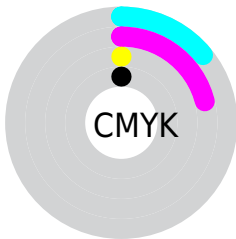
Distribution



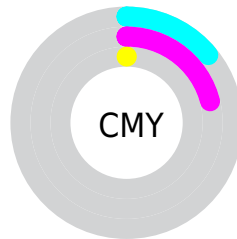
- Red (86%)
- Green (79%)
- Blue (100%)



- 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 64.0534, 0.2893, 0.2719 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 64.0534, 0.2893, 0.2719 by changing the saturation by 10% instead.

64.0534, 0.2893,
0.2719

64.0534, 0.2893,
0.2719

439.3825, 0.3006,
0.2979

46.6939, 0.2866,
0.2661

110.6878, 0.2933,
0.2808

32.7938, 0.2833,
0.2590

140.7316, 0.2948,
0.2843

21.9685, 0.2790,
0.2501

175.7722, 0.2961,
0.2873

13.8338, 0.2732,
0.2387

216.1941, 0.2973,
0.2900

8.0051, 0.2653,
0.2236

262.3817, 0.2983,
0.2923

4.0982, 0.2536,
0.2027

314.7194, 0.2991,

1.7287, 0.2349,

0.2944

0.1723

373.5915, 0.2999,
0.2962

0.4421, 0.2054,
0.1103

0.0000, 0.0000,
0.0000

64.0534, 0.2893,
0.2719

64.0534, 0.2893,
0.2719

50.6356, 0.2757,
0.2413

79.7188, 0.3013,
0.3003

39.3521, 0.2606,
0.2094

97.7220, 0.3116,
0.3261

30.0915, 0.2443,
0.1772

99.9995, 0.3127,
0.3290

22.7290, 0.2274,
0.1465

■ 17.1253, 0.2108,
0.1191

■ 13.1213, 0.1955,
0.0970

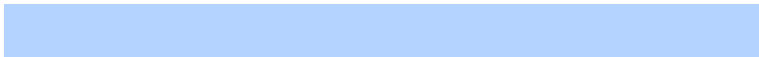
■ 10.5273, 0.1823,
0.0813

■ 9.1552, 0.1728,
0.0726

Harmonies

Analogous

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



64.0534, 0.2605, 0.2698



64.0534, 0.2893, 0.2719



64.0534, 0.3262, 0.2871

Triad

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



64.0534, 0.2893, 0.2719



64.0534, 0.3842, 0.3706



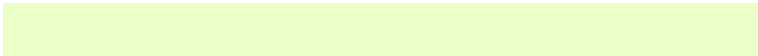
64.0534, 0.2654, 0.3446

Complementary

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



64.0534, 0.2893, 0.2719



93.7318, 0.3328, 0.3841

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.



64.0534, 0.2965, 0.3770



64.0534, 0.2893, 0.2719



64.0534, 0.3656, 0.3906

Square

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



64.0534, 0.2893, 0.2719



64.0534, 0.3828, 0.3420



64.0534, 0.3331, 0.3941



64.0534, 0.2473, 0.3094

Rectangle

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



64.0534, 0.2893, 0.2719



64.0534, 0.3504, 0.3030



64.0534, 0.3331, 0.3941



64.0534, 0.2746, 0.3564

Sweetspot

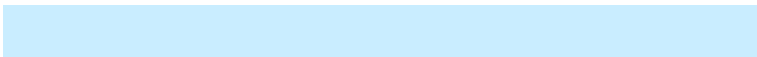
The Sweet Spot groups the original color and five complimentary colors.



64.0561, 0.2893, 0.2719



88.7413, 0.3068, 0.3140



80.2024, 0.2797, 0.3098



18.7431, 0.3061, 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.



64.0561, 0.2893, 0.2719



58.6659, 0.2843, 0.2604



68.5847, 0.3086, 0.2751



17.6722, 0.3031, 0.3048



4.8567, 0.1744, 0.0734



0.5298, 0.1865, 0.0801

Inverse Universe

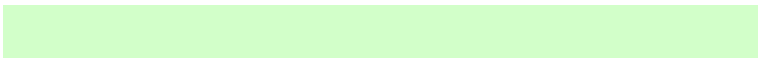
The Inverse Universe completely reimagines the original color for something new.



69.1450, 0.3281, 0.2931



64.5555, 0.3315, 0.2863



89.4333, 0.3155, 0.3872



18.1912, 0.3189, 0.3133



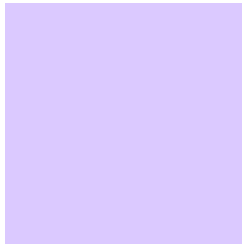
12.6523, 0.4278, 0.2130



1.2522, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 64.0534, 0.2893, 0.2719 looks on a white background.

Color Contrast Check

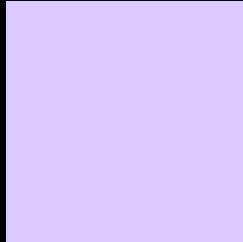
Large Text (above 18pt) WCAG AA × Fail

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 64.0534, 0.2893, 0.2719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

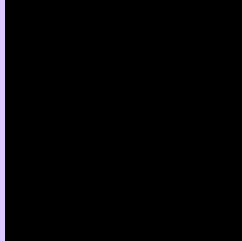
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0534, 0.2893, 0.2719

Background



This preview shows how black text looks on a background with the Yxy color 64.0534, 0.2893, 0.2719.

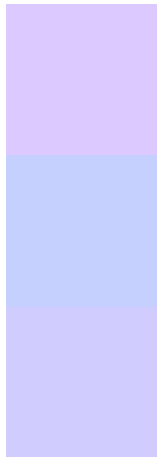


This preview shows how white text looks on a background with the Yxy color 64.0534, 0.2893, 0.2719.

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

64.0534, 0.2893, 0.2719

Protanopia

64.3375, 0.2755, 0.2774

Deuteranopia

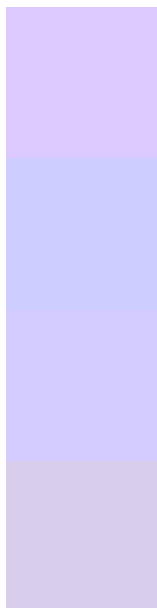
64.2283, 0.2825, 0.2761



Tritanopia

64.2495, 0.3069, 0.3112

Trichromacy



Original Color

64.0534, 0.2893, 0.2719

Protanomaly

64.0045, 0.2806, 0.2749

Deuteranomaly

64.3385, 0.2852, 0.2754

Tritanomaly

64.2597, 0.3002, 0.2962

Monochromacy



Original Color

64.0534, 0.2893, 0.2719

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 64.0534, 0.2893, 0.2719 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.0534, 0.2893, 0.2719 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, 201, 255) }
```

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

```
.border{ border-color:rgb(219, 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(219, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0534, 0.2893, 0.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 201, 255) }
```

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

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