

Converting Colors

$Yxy(64.6933, 0.2921, 0.2724)$

Have a look what the booklet for
Yxy(64.6933, 0.2921, 0.2724)
contains.

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Color

Yxy(64.6813, 0.2921, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	DFC9FF
RGB	223, 201, 255
RGB Percent	87%, 79%, 100%
CMY	0.1256, 0.2117, 0.0001
CMYK	0.13, 0.21, 0.00, 0.00
HSL	264°, 100%, 89%
HSV	264°, 21%, 100%
XYZ	69.3591, 64.6813, 103.4093
YIQ	213.7340, -4.2220, 21.4580

Conversions

Conversions Part 2

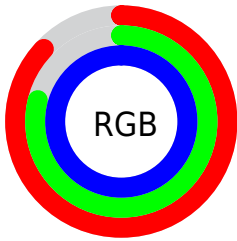
Format	Color
R _Y B	223, 201, 255
Decimal	14666239
CIE Lab	84.32, 17.74, -23.63
CIE LCh	84, 29.546, 306.902
Yxy	64.6813, 0.2921, 0.2724
Android (android.graphics.Color)	4292856319 (0xFFDFC9FF)
YUV	213.7340, 20.3441, 8.1263
Hunter-Lab	80.4247, 13.1970, -19.9373

Details

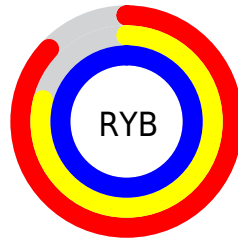
The Yxy color **64.6813, 0.2921, 0.2724** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.0421, 0.3302, 0.3845**, and the grayscale version is **66.9197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.1601, 0.2865, 0.2598** is the 20% darker color. If you saturate the color by 10%, you get **51.4709, 0.2800, 0.2424**, and if you desaturate by 10%, it is **80.0845, 0.3027, 0.3005**.

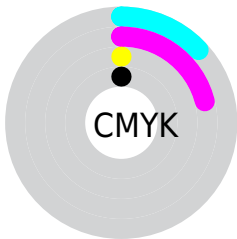
Distribution



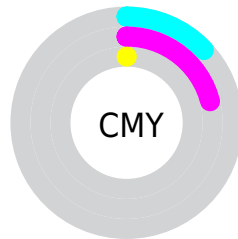
- Red (87%)
- Green (79%)
- Blue (100%)



- Red (87%)
- Yellow (79%)
- Blue (100%)



- Cyan (13%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6813, 0.2921, 0.2724 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 64.6813, 0.2921, 0.2724 by changing the saturation by 10% instead.


 64.6813, 0.2921,
0.2724

 64.6813, 0.2921,
0.2724


441.6458, 0.3021,
0.2981

 47.2027, 0.2897,
0.2667

111.5915, 0.2956,
0.2812

 33.1959, 0.2867,
0.2597


141.7920, 0.2970,
0.2846

 22.2766, 0.2829,
0.2510


177.0018, 0.2982,
0.2876

 14.0603, 0.2778,
0.2398

217.6054, 0.2992,
0.2903

 8.1626, 0.2707,
0.2249

263.9873, 0.3000,
0.2926

 4.1992, 0.2601,
0.2044

316.5317, 0.3008,

 1.7856, 0.2432,

0.2946

0.1747

375.6231, 0.3015,
0.2964

0.4782, 0.2160,
0.1162

0.0000, 0.0000,
0.0000

64.6813, 0.2921,
0.2724

64.6813, 0.2921,
0.2724

51.4709, 0.2800,
0.2424

80.0845, 0.3027,
0.3005

40.3423, 0.2665,
0.2113

97.7682, 0.3118,
0.3262

31.1869, 0.2519,
0.1802

99.9980, 0.3127,
0.3290

23.8825, 0.2365,
0.1506

■ 18.2932, 0.2212,
0.1242

■ 14.2630, 0.2066,
0.1028

■ 11.6059, 0.1936,
0.0874

■ 10.1491, 0.1837,
0.0786

Harmonies

Analogous

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



64.6813, 0.2621, 0.2691



64.6813, 0.2921, 0.2724



64.6813, 0.3294, 0.2887

Triad

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



64.6813, 0.2921, 0.2724



64.6813, 0.3838, 0.3730



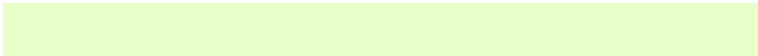
64.6813, 0.2630, 0.3416

Complementary

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



64.6813, 0.2921, 0.2724



93.0421, 0.3302, 0.3845

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.



64.6813, 0.2934, 0.3750



64.6813, 0.2921, 0.2724



64.6813, 0.3635, 0.3920

Square

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



64.6813, 0.2921, 0.2724



64.6813, 0.3842, 0.3446



64.6813, 0.3301, 0.3939



64.6813, 0.2461, 0.3065

Rectangle

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



64.6813, 0.2921, 0.2724



64.6813, 0.3535, 0.3051



64.6813, 0.3301, 0.3939



64.6813, 0.2719, 0.3536

Sweetspot

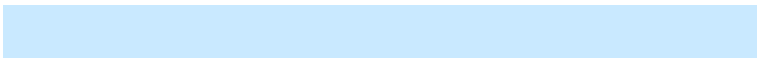
The Sweet Spot groups the original color and five complimentary colors.



64.6840, 0.2921, 0.2724



88.9436, 0.3075, 0.3140



78.1354, 0.2795, 0.3059



18.7909, 0.3069, 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.



64.6840, 0.2921, 0.2724



59.3737, 0.2876, 0.2611



69.2443, 0.3112, 0.2756



17.7387, 0.3043, 0.3049



5.3864, 0.1854, 0.0795



0.5863, 0.1980, 0.0864

Inverse Universe

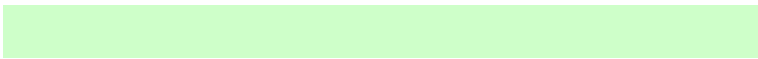
The Inverse Universe completely reimagines the original color for something new.



68.9185, 0.3310, 0.2969



64.2905, 0.3351, 0.2909



88.8986, 0.3133, 0.3875



18.1679, 0.3201, 0.3150



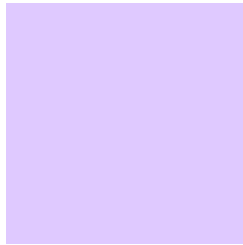
12.3099, 0.4574, 0.2293



1.2203, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 64.6813, 0.2921, 0.2724 looks on a white background.

Color Contrast Check

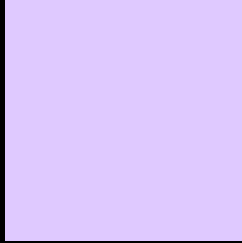
Large Text (above 18pt) WCAG AA × Fail

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 64.6813, 0.2921, 0.2724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

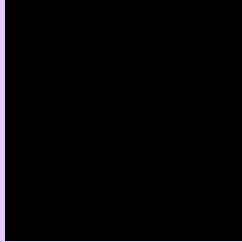
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

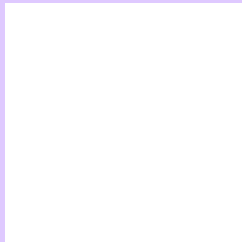
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6813, 0.2921, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 64.6813, 0.2921, 0.2724.



This preview shows how white text looks on a background with the Yxy color 64.6813, 0.2921, 0.2724.

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

64.6813, 0.2921, 0.2724

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

64.8537, 0.2833, 0.2773



Tritanopia

64.8588, 0.3098, 0.3113

Trichromacy



Original Color

64.6813, 0.2921, 0.2724

Protanomaly

64.7725, 0.2820, 0.2762

Deuteranomaly

64.6376, 0.2866, 0.2756

Tritanomaly

64.8764, 0.3032, 0.2965

Monochromacy



Original Color

64.6813, 0.2921, 0.2724

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.0098, 0.3049, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6813, 0.2921, 0.2724 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(223, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6813, 0.2921, 0.2724 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(223, 201, 255) }
```

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

```
.border{ border-color:rgb(223, 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(223, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6813, 0.2921, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 201, 255) }
```

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

```
.background{ background-color: rgb(223,  
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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