

Converting Colors

Yxy(64.7717, 0.2926, 0.2759)

Have a look what the booklet for
Yxy(64.7717, 0.2926, 0.2759)
contains.

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Color

Yxy(64.6415, 0.2926, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	DDCAFC
RGB	221, 202, 252
RGB Percent	87%, 79%, 99%
CMY	0.1335, 0.2078, 0.0117
CMYK	0.12, 0.20, 0.00, 0.01
HSL	263°, 89%, 89%
HSV	263°, 20%, 99%
XYZ	68.5045, 64.6415, 100.9775
YIQ	213.3810, -4.7260, 19.5780

Conversions

Conversions Part 2

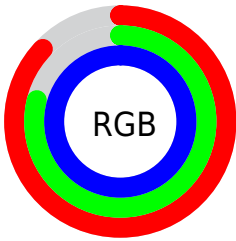
Format	Color
R _Y B	221, 202, 252
Decimal	14535420
CIE _{Lab}	84.30, 15.97, -22.11
CIE _{LCh}	84, 27.275, 305.847
Y _{xy}	64.6415, 0.2926, 0.2761
Android (android.graphics.Color)	4292725500 (0xFFDDCAFC)
YUV	213.3810, 19.0392, 6.6819
Hunter-Lab	80.3999, 11.3905, -18.1847

Details

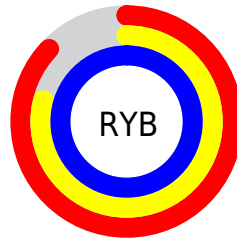
The Yxy color **64.6415, 0.2926, 0.2761** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.2331, 0.3301, 0.3807**, and the grayscale version is **66.6800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2269, 0.2881, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **51.4240, 0.2801, 0.2462**, and if you desaturate by 10%, it is **80.0246, 0.3035, 0.3040**.

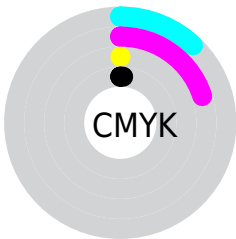
Distribution



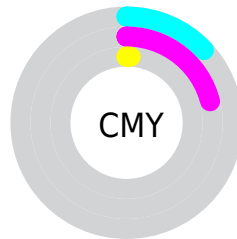
- Red (87%)
- Green (79%)
- Blue (99%)



- Red (87%)
- Yellow (79%)
- Blue (99%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6415, 0.2926, 0.2761 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 64.6415, 0.2926, 0.2761 by changing the saturation by 10% instead.

64.6415, 0.2926,
0.2761

64.6415, 0.2926,
0.2761

441.5026, 0.3023,
0.3002

47.1704, 0.2903,
0.2707

111.5343, 0.2960,
0.2844

33.1704, 0.2874,
0.2641

141.7248, 0.2974,
0.2876

22.2570, 0.2837,
0.2558

176.9239, 0.2985,
0.2904

14.0459, 0.2787,
0.2452

217.5161, 0.2995,
0.2929

8.1526, 0.2718,
0.2310

263.8856, 0.3003,
0.2950

4.1927, 0.2615,
0.2113

316.4169, 0.3011,

1.7820, 0.2451,

0.2969

0.1824

375.4945, 0.3017,
0.2987

0.4759, 0.2186,
0.1235

0.0000, 0.0000,
0.0000

64.6415, 0.2926,
0.2761

64.6415, 0.2926,
0.2761

51.4240, 0.2801,
0.2462

80.0246, 0.3035,
0.3040

40.2640, 0.2662,
0.2148

97.6585, 0.3129,
0.3294

31.0566, 0.2511,
0.1833

99.8095, 0.3144,
0.3318

23.6835, 0.2352,
0.1529

■ 18.0135, 0.2193,
0.1256

■ 13.8972, 0.2042,
0.1031

■ 11.1575, 0.1907,
0.0867

■ 9.5125, 0.1795,
0.0763

■ 9.4905, 0.1793,
0.0762

Harmonies

Analogous

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



64.6415, 0.2651, 0.2736



64.6415, 0.2926, 0.2761



64.6415, 0.3270, 0.2909

Triad

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



64.6415, 0.2926, 0.2761



64.6415, 0.3787, 0.3691



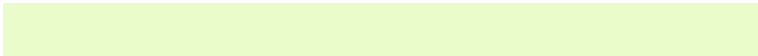
64.6415, 0.2676, 0.3419

Complementary

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



64.6415, 0.2926, 0.2761



91.2331, 0.3301, 0.3807

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.



64.6415, 0.2961, 0.3722



64.6415, 0.2926, 0.2761



64.6415, 0.3607, 0.3869

Square

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



64.6415, 0.2926, 0.2761



64.6415, 0.3783, 0.3427



64.6415, 0.3302, 0.3889



64.6415, 0.2513, 0.3095

Rectangle

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



64.6415, 0.2926, 0.2761



64.6415, 0.3493, 0.3060



64.6415, 0.3302, 0.3889



64.6415, 0.2760, 0.3529

Sweetspot

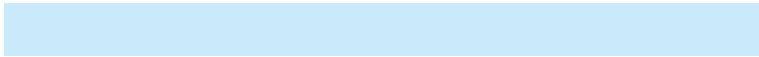
The Sweet Spot groups the original color and five complimentary colors.



64.6442, 0.2926, 0.2761



88.8661, 0.3073, 0.3140



78.2541, 0.2817, 0.3093



18.7726, 0.3066, 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.



64.6442, 0.2926, 0.2761



60.4658, 0.2876, 0.2638



68.7531, 0.3101, 0.2788



16.9635, 0.3038, 0.3049



5.0205, 0.1810, 0.0771



0.5236, 0.1941, 0.0843

Inverse Universe

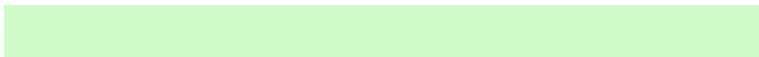
The Inverse Universe completely reimagines the original color for something new.



68.8338, 0.3286, 0.2977



65.5696, 0.3327, 0.2908



87.4071, 0.3143, 0.3832



17.4065, 0.3196, 0.3144



12.0690, 0.4457, 0.2229



1.1384, 0.4268, 0.2125

Previews

White Background



This preview shows how the Yxy color 64.6415, 0.2926, 0.2761 looks on a white background.

Color Contrast Check

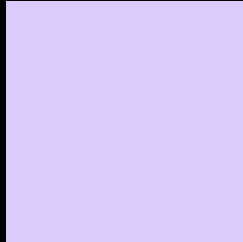
Large Text (above 18pt) WCAG AA × Fail

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 64.6415, 0.2926, 0.2761 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

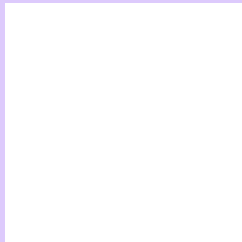
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6415, 0.2926, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 64.6415, 0.2926, 0.2761.

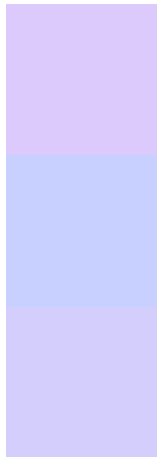


This preview shows how white text looks on a background with the Yxy color 64.6415, 0.2926, 0.2761.

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

64.6415, 0.2926, 0.2761

Protanopia

64.6111, 0.2768, 0.2776

Deuteranopia

64.9565, 0.2865, 0.2805



Tritanopia

64.5523, 0.3083, 0.3112

Trichromacy



Original Color

64.6415, 0.2926, 0.2761

Protanomaly

64.7083, 0.2826, 0.2772

Deuteranomaly

65.0748, 0.2892, 0.2797

Tritanomaly

64.5086, 0.3024, 0.2974

Monochromacy



Original Color

64.6415, 0.2926, 0.2761

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.7459, 0.3056, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6415, 0.2926, 0.2761 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(221, 202, 252)` looks like.

```
.text, #text, p{  
    color:rgb(221, 202, 252)  
}
```

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(221, 202, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 202, 252) }
```

Border

The CSS property to change the border of an element to Yxy 64.6415, 0.2926, 0.2761 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(221, 202, 252) }
```

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

```
.border{ border-color:rgb(221, 202, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 202, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 202, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 202, 252);  
box-shadow:4px 4px 4px 4px rgb(221, 202,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6415, 0.2926, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 202, 252) }
```

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

```
.background{ background-color: rgb(221,  
202, 252) }
```

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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