

Converting Colors

$Y_{xy}(64.7378, 0.2966, 0.2831)$

Have a look what the booklet for
Yxy(64.7378, 0.2966, 0.2831)
contains.

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Color

Yxy(64.7378, 0.2966, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	DDCBF6
RGB	221, 203, 246
RGB Percent	87%, 80%, 96%
CMY	0.1331, 0.2040, 0.0353
CMYK	0.10, 0.17, 0.00, 0.04
HSL	265°, 71%, 88%
HSV	265°, 17%, 96%
XYZ	67.8249, 64.7378, 96.1120
YIQ	213.2840, -3.0750, 17.1890

Conversions

Conversions Part 2

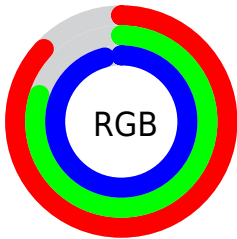
Format	Color
R _Y B	221, 203, 246
Decimal	14535670
CIE Lab	84.35, 14.27, -18.84
CIE LCh	84, 23.634, 307.145
Yxy	64.7378, 0.2966, 0.2831
Android (android.graphics.Color)	4292725750 (0xFFDDCBF6)
YUV	213.2840, 16.1290, 6.7669
Hunter-Lab	80.4598, 9.6648, -14.5021

Details

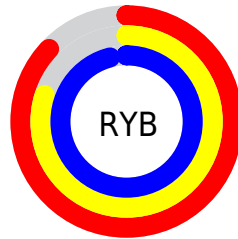
The Yxy color **64.7378, 0.2966, 0.2831** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.7053, 0.3268, 0.3743**, and the grayscale version is **66.6378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3196, 0.2923, 0.2723** is the 20% darker color. If you saturate the color by 10%, you get **51.8853, 0.2854, 0.2539**, and if you desaturate by 10%, it is **79.6293, 0.3063, 0.3102**.

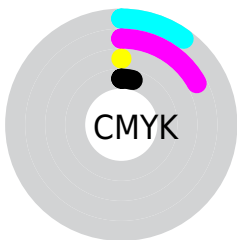
Distribution



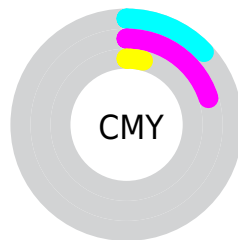
- Red (87%)
- Green (80%)
- Blue (96%)



- Red (87%)
- Yellow (80%)
- Blue (96%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7378, 0.2966, 0.2831 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 64.7378, 0.2966, 0.2831 by changing the saturation by 10% instead.

64.7378, 0.2966,
0.2831

64.7378, 0.2966,
0.2831

441.8491, 0.3044,
0.3041

47.2485, 0.2947,
0.2784

111.6728, 0.2994,
0.2903

33.2321, 0.2924,
0.2725

141.8873, 0.3004,
0.2932

22.3043, 0.2894,
0.2652

177.1123, 0.3013,
0.2956

14.0807, 0.2854,
0.2558

217.7323, 0.3021,
0.2977

8.1768, 0.2797,
0.2431

264.1315, 0.3028,
0.2996

4.2083, 0.2713,
0.2253

316.6945, 0.3034,

1.7908, 0.2575,

0.3013

0.1986

375.8056, 0.3039,
0.3028

0.4814, 0.2356,
0.1407

0.0000, 0.0000,
0.0000

64.7378, 0.2966,
0.2831

64.7378, 0.2966,
0.2831

51.8853, 0.2854,
0.2539

79.6293, 0.3063,
0.3102

40.9721, 0.2727,
0.2233

96.6372, 0.3147,
0.3350

31.9024, 0.2588,
0.1923

99.4341, 0.3179,
0.3376

24.5686, 0.2439,
0.1622

■ 18.8518, 0.2288,
0.1346

■ 14.6171, 0.2141,
0.1114

■ 11.7067, 0.2005,
0.0937

■ 9.9145, 0.1888,
0.0822

■ 9.5630, 0.1861,
0.0799

Harmonies

Analogous

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



64.7378, 0.2721, 0.2806



64.7378, 0.2966, 0.2831



64.7378, 0.3265, 0.2965

Triad

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



64.7378, 0.2966, 0.2831



64.7378, 0.3695, 0.3650



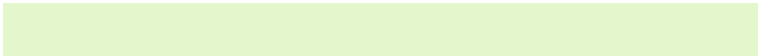
64.7378, 0.2726, 0.3391

Complementary

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



64.7378, 0.2966, 0.2831



86.7053, 0.3268, 0.3743

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.



64.7378, 0.2972, 0.3652



64.7378, 0.2966, 0.2831



64.7378, 0.3535, 0.3796

Square

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



64.7378, 0.2966, 0.2831



64.7378, 0.3698, 0.3423



64.7378, 0.3268, 0.3802



64.7378, 0.2589, 0.3113

Rectangle

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



64.7378, 0.2966, 0.2831



64.7378, 0.3456, 0.3100



64.7378, 0.3268, 0.3802



64.7378, 0.2799, 0.3484

Sweetspot

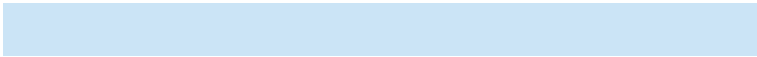
The Sweet Spot groups the original color and five complimentary colors.



64.7405, 0.2966, 0.2831



90.7585, 0.3085, 0.3166



74.8779, 0.2853, 0.3095



19.1581, 0.3079, 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.



64.7405, 0.2966, 0.2831



65.0450, 0.2928, 0.2730



68.3089, 0.3121, 0.2852



16.2671, 0.3045, 0.3050



5.1824, 0.1878, 0.0808



0.5145, 0.2017, 0.0885

Inverse Universe

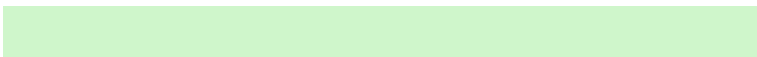
The Inverse Universe completely reimagines the original color for something new.



67.8937, 0.3277, 0.3033



69.0973, 0.3314, 0.2979



83.4281, 0.3128, 0.3763



16.6436, 0.3203, 0.3154



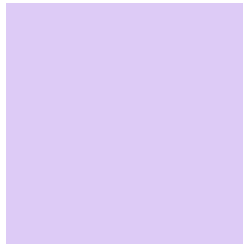
11.5382, 0.4625, 0.2322



1.0346, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 64.7378, 0.2966, 0.2831 looks on a white background.

Color Contrast Check

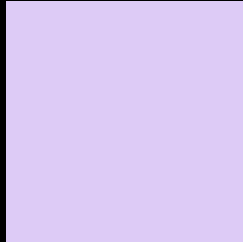
Large Text (above 18pt) WCAG AA × Fail

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 64.7378, 0.2966, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

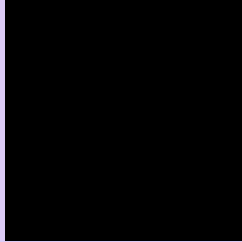
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7378, 0.2966, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 64.7378, 0.2966, 0.2831.



This preview shows how white text looks on a background with the Yxy color 64.7378, 0.2966, 0.2831.

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

64.7378, 0.2966, 0.2831

Protanopia

65.0596, 0.2812, 0.2840

Deuteranopia

64.6126, 0.2916, 0.2847



Tritanopia

64.7051, 0.3091, 0.3113

Trichromacy



Original Color

64.7378, 0.2966, 0.2831

Protanomaly

65.0205, 0.2864, 0.2834

Deuteranomaly

64.5913, 0.2937, 0.2838

Tritanomaly

64.8176, 0.3044, 0.3016

Monochromacy



Original Color

64.7378, 0.2966, 0.2831

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.6361, 0.3069, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7378, 0.2966, 0.2831 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, 203, 246)` looks like.

```
.text, #text, p{  
    color:rgb(221, 203, 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(221, 203, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 203, 246) }
```

Border

The CSS property to change the border of an element to Yxy 64.7378, 0.2966, 0.2831 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, 203, 246) }
```

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

```
.border{ border-color:rgb(221, 203, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 203, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 203, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 203, 246); box-shadow:4px 4px 4px 4px rgb(221, 203, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7378, 0.2966, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 203, 246) }
```

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

```
.background{ background-color: rgb(221,  
203, 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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