

Converting Colors

$Y_{xy}(64.9040, 0.2880, 0.2743)$

Have a look what the booklet for
Yxy(64.9040, 0.2880, 0.2743)
contains.

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Color

Yxy(64.6836, 0.2880, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	D9CBFF
RGB	217, 203, 255
RGB Percent	85%, 80%, 100%
CMY	0.1487, 0.2040, 0.0000
CMYK	0.15, 0.20, 0.00, 0.00
HSL	256°, 100%, 90%
HSV	256°, 20%, 100%
XYZ	68.0383, 64.6836, 103.5221
YIQ	213.1140, -8.3480, 19.1400

Conversions

Conversions Part 2

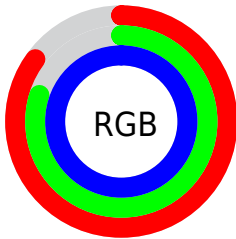
Format	Color
R _Y B	217, 203, 255
Decimal	14273535
CIE Lab	84.32, 14.86, -23.70
CIE LCh	84, 27.970, 302.092
Yxy	64.6836, 0.2880, 0.2738
Android (android.graphics.Color)	4292463615 (0xFFD9CBFF)
YUV	213.1140, 20.6498, 3.4080
Hunter-Lab	80.4261, 10.2604, -20.0180

Details

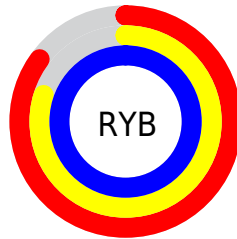
The Yxy color **64.6836, 0.2880, 0.2738** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.5161, 0.3342, 0.3816**, and the grayscale version is **66.4890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2535, 0.2821, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **50.9250, 0.2733, 0.2429**, and if you desaturate by 10%, it is **80.7469, 0.3010, 0.3023**.

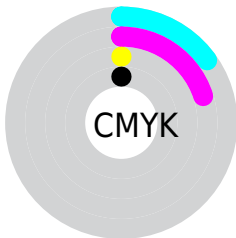
Distribution



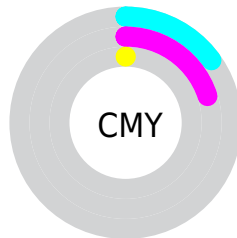
- Red (85%)
- Green (80%)
- Blue (100%)



- Red (85%)
- Yellow (80%)
- Blue (100%)



- Cyan (15%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6836, 0.2880, 0.2738 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 64.6836, 0.2880, 0.2738 by changing the saturation by 10% instead.

 64.6836, 0.2880,
0.2738

 64.6836, 0.2880,
0.2738

441.6541, 0.2998,
0.2989

 47.2046, 0.2852,
0.2682


111.5949, 0.2922,
0.2824

 33.1974, 0.2817,
0.2613


141.7959, 0.2938,
0.2858

 22.2777, 0.2773,
0.2527


177.0063, 0.2952,
0.2887

 14.0611, 0.2713,
0.2416

217.6106, 0.2964,
0.2913

 8.1632, 0.2631,
0.2269

263.9931, 0.2974,
0.2935

 4.1995, 0.2511,
0.2066

316.5383, 0.2983,

 1.7858, 0.2322,

0.2955

0.1768

375.6305, 0.2991,
0.2973

0.4783, 0.2017,
0.1180

0.0000, 0.0000,
0.0000

64.6836, 0.2880,
0.2738

64.6836, 0.2880,
0.2738

50.9250, 0.2733,
0.2429

80.7469, 0.3010,
0.3023

39.3593, 0.2569,
0.2104

99.2106, 0.3123,
0.3280

29.8719, 0.2394,
0.1773

100.0000, 0.3127,
0.3290

22.3360, 0.2214,
0.1456

■ 16.6102, 0.2040,
0.1171

■ 12.5336, 0.1881,
0.0940

■ 9.9153, 0.1749,
0.0777

■ 8.4875, 0.1652,
0.0684

Harmonies

Analogous

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



64.6836, 0.2613, 0.2729



64.6836, 0.2880, 0.2738



64.6836, 0.3229, 0.2875

Triad

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



64.6836, 0.2880, 0.2738



64.6836, 0.3814, 0.3670



64.6836, 0.2695, 0.3465

Complementary

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



64.6836, 0.2880, 0.2738



94.5161, 0.3342, 0.3816

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.



64.6836, 0.2999, 0.3764



64.6836, 0.2880, 0.2738



64.6836, 0.3650, 0.3868

Square

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



64.6836, 0.2880, 0.2738



64.6836, 0.3785, 0.3393



64.6836, 0.3349, 0.3913



64.6836, 0.2511, 0.3128

Rectangle

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



64.6836, 0.2880, 0.2738



64.6836, 0.3461, 0.3023



64.6836, 0.3349, 0.3913



64.6836, 0.2786, 0.3575

Sweetspot

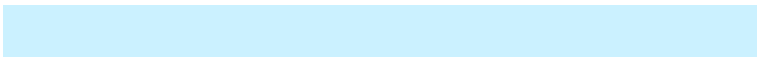
The Sweet Spot groups the original color and five complimentary colors.



64.6850, 0.2880, 0.2738



88.5688, 0.3062, 0.3140



82.9003, 0.2812, 0.3143



18.7025, 0.3054, 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.



64.6850, 0.2880, 0.2738



59.4713, 0.2829, 0.2630



68.9529, 0.3063, 0.2767



17.6157, 0.3021, 0.3047



4.4973, 0.1666, 0.0691



0.4890, 0.1779, 0.0753

Inverse Universe

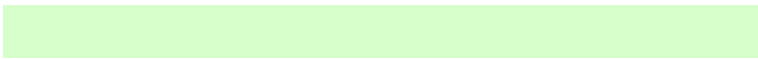
The Inverse Universe completely reimagines the original color for something new.



70.3083, 0.3251, 0.2913



65.9527, 0.3277, 0.2844



90.2959, 0.3176, 0.3844



18.2115, 0.3180, 0.3118



12.9862, 0.4040, 0.1999



1.2827, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 64.6836, 0.2880, 0.2738 looks on a white background.

Color Contrast Check

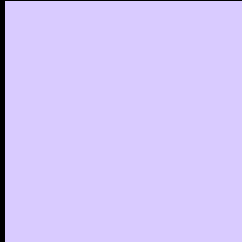
Large Text (above 18pt) WCAG AA × Fail

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 64.6836, 0.2880, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

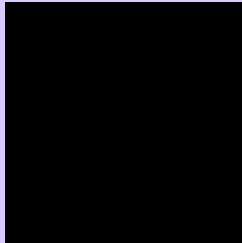
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6836, 0.2880, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 64.6836, 0.2880, 0.2738.

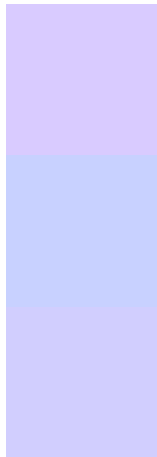


This preview shows how white text looks on a background with the Yxy color 64.6836, 0.2880, 0.2738.

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

64.6836, 0.2880, 0.2738

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

64.8537, 0.2833, 0.2773



Tritanopia

64.5450, 0.3040, 0.3100

Trichromacy



Original Color

64.6836, 0.2880, 0.2738

Protanomaly

64.9675, 0.2807, 0.2771

Deuteranomaly

64.8154, 0.2852, 0.2765

Tritanomaly

64.4949, 0.2981, 0.2961

Monochromacy



Original Color

64.6836, 0.2880, 0.2738

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4985, 0.3034, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6836, 0.2880, 0.2738 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(217, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 203, 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(217, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6836, 0.2880, 0.2738 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(217, 203, 255) }
```

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

```
.border{ border-color:rgb(217, 203, 255) }
```

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

Here you see how a box with a 4 pixel rgb(217, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6836, 0.2880, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 203, 255) }
```

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

```
.background{ background-color: rgb(217,  
203, 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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