

Converting Colors

$Yxy(64.7083, 0.2826, 0.2772)$

Have a look what the booklet for
Yxy(64.7083, 0.2826, 0.2772)
contains.

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Color

Yxy(64.7083, 0.2826, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	D0CEFE
RGB	208, 206, 254
RGB Percent	82%, 81%, 100%
CMY	0.1843, 0.1921, 0.0040
CMYK	0.18, 0.19, 0.00, 0.00
HSL	242°, 96%, 90%
HSV	242°, 19%, 100%
XYZ	65.9689, 64.7083, 102.7583
YIQ	212.0700, -14.2160, 15.3520

Conversions

Conversions Part 2

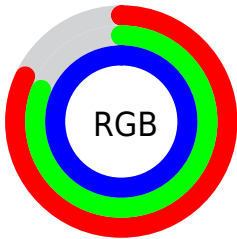
Format	Color
R _Y B	208, 206, 254
Decimal	13684478
CIE Lab	84.33, 10.22, -23.19
CIE LCh	84, 25.343, 293.791
Yxy	64.7083, 0.2826, 0.2772
Android (android.graphics.Color)	4291874558 (0xFFD0CEFE)
YUV	212.0700, 20.6715, -3.5694
Hunter-Lab	80.4415, 5.6126, -19.4297

Details

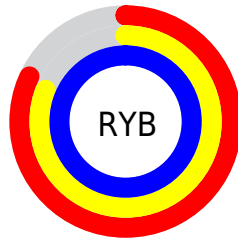
The Yxy color **64.7083, 0.2826, 0.2772** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.0189, 0.3399, 0.3764**, and the grayscale version is **65.7552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2600, 0.2753, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **50.1918, 0.2638, 0.2451**, and if you desaturate by 10%, it is **81.7475, 0.2995, 0.3061**.

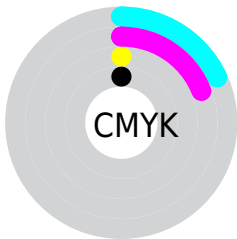
Distribution



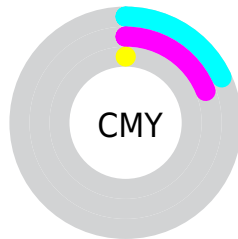
- Red (82%)
- Green (81%)
- Blue (100%)



- Red (82%)
- Yellow (81%)
- Blue (100%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7083, 0.2826, 0.2772 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 64.7083, 0.2826, 0.2772 by changing the saturation by 10% instead.

64.7083, 0.2826,
0.2772

64.7083, 0.2826,
0.2772

441.7430, 0.2969,
0.3010

47.2246, 0.2793,
0.2718

111.6304, 0.2876,
0.2854

33.2132, 0.2751,
0.2653

141.8375, 0.2895,
0.2886

22.2898, 0.2699,
0.2570

177.0546, 0.2912,
0.2913

14.0700, 0.2629,
0.2464

217.6661, 0.2926,
0.2938

8.1694, 0.2534,
0.2322

264.0562, 0.2939,
0.2959

4.2035, 0.2395,
0.2123

316.6095, 0.2950,

1.7881, 0.2180,

0.2978

0.1830

375.7103, 0.2960,
0.2994

0.4797, 0.1821,
0.1238

0.0000, 0.0000,
0.0000

64.7083, 0.2826,
0.2772

64.7083, 0.2826,
0.2772

50.1918, 0.2638,
0.2451

81.7475, 0.2995,
0.3061

38.0706, 0.2433,
0.2105

99.9343, 0.3133,
0.3300

28.2185, 0.2221,
0.1749

20.4941, 0.2012,
0.1403

■ 14.7406, 0.1824,
0.1095

■ 10.7794, 0.1671,
0.0851

■ 8.3997, 0.1567,
0.0689

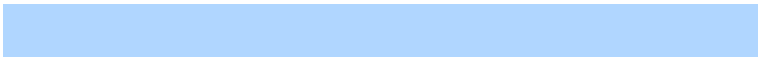
■ 7.3030, 0.1512,
0.0611

■ 7.2222, 0.1509,
0.0605

Harmonies

Analogous

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



64.7083, 0.2612, 0.2801



64.7083, 0.2826, 0.2772



64.7083, 0.3130, 0.2867

Triad

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



64.7083, 0.2826, 0.2772



64.7083, 0.3760, 0.3572



64.7083, 0.2803, 0.3531

Complementary

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



64.7083, 0.2826, 0.2772



96.0189, 0.3399, 0.3764

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.



64.7083, 0.3099, 0.3771



64.7083, 0.2826, 0.2772



64.7083, 0.3659, 0.3777

Square

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



64.7083, 0.2826, 0.2772



64.7083, 0.3683, 0.3313



64.7083, 0.3413, 0.3859



64.7083, 0.2600, 0.3227

Rectangle

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



64.7083, 0.2826, 0.2772



64.7083, 0.3346, 0.2987



64.7083, 0.3413, 0.3859



64.7083, 0.2895, 0.3624

Sweetspot

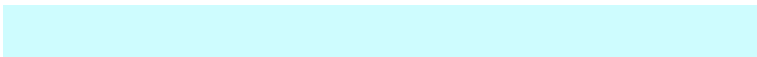
The Sweet Spot groups the original color and five complimentary colors.



64.7110, 0.2826, 0.2772



87.9475, 0.3039, 0.3139



90.1357, 0.2842, 0.3273



18.5561, 0.3030, 0.3121



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.



64.7110, 0.2826, 0.2772



58.9700, 0.2751, 0.2643



68.3891, 0.2989, 0.2796



17.4136, 0.2985, 0.3044



3.8237, 0.1512, 0.0607



0.3844, 0.1541, 0.0623

Inverse Universe

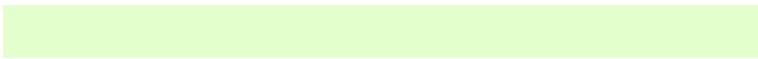
The Inverse Universe completely reimagines the original color for something new.



72.2412, 0.3163, 0.2838



67.9624, 0.3171, 0.2738



91.8840, 0.3244, 0.3788



18.2866, 0.3144, 0.3065



14.5413, 0.3316, 0.1600



1.4197, 0.3303, 0.1593

Previews

White Background



This preview shows how the Yxy color 64.7083, 0.2826, 0.2772 looks on a white background.

Color Contrast Check

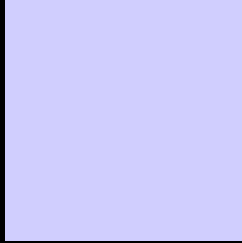
Large Text (above 18pt) WCAG AA × Fail

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 64.7083, 0.2826, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

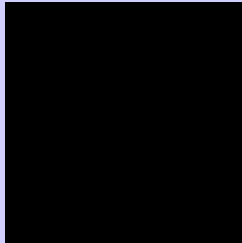
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7083, 0.2826, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 64.7083, 0.2826, 0.2772.

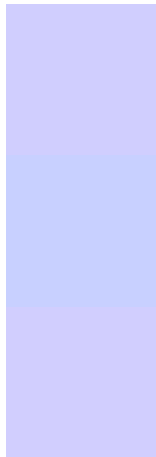


This preview shows how white text looks on a background with the Yxy color 64.7083, 0.2826, 0.2772.

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

64.7083, 0.2826, 0.2772

Protanopia

64.6111, 0.2768, 0.2776

Deuteranopia

64.8537, 0.2833, 0.2773



Tritanopia

64.8311, 0.2963, 0.3109

Trichromacy



Original Color

64.7083, 0.2826, 0.2772

Protanomaly

64.5422, 0.2787, 0.2768

Deuteranomaly

64.8537, 0.2833, 0.2773

Tritanomaly

64.6945, 0.2912, 0.2978

Monochromacy



Original Color

64.7083, 0.2826, 0.2772

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.4881, 0.3019, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7083, 0.2826, 0.2772 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(208, 206, 254)` looks like.

```
.text, #text, p{  
    color:rgb(208, 206, 254)  
}
```

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(208, 206, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 206, 254) }
```

Border

The CSS property to change the border of an element to Yxy 64.7083, 0.2826, 0.2772 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(208, 206, 254) }
```

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

```
.border{ border-color:rgb(208, 206, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 206, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 206, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 206, 254);  
box-shadow:4px 4px 4px 4px rgb(208, 206,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7083, 0.2826, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 206, 254) }
```

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

```
.background{ background-color: rgb(208,  
206, 254) }
```

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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