

Converting Colors

Yxy(64.0471, 0.2805, 0.2786)

Have a look what the booklet for
Yxy(64.0471, 0.2805, 0.2786)
contains.

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Color

Yxy(63.8674, 0.2804, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	CBCEFC
RGB	203, 206, 252
RGB Percent	80%, 81%, 99%
CMY	0.2042, 0.1921, 0.0118
CMYK	0.19, 0.18, 0.00, 0.01
HSL	236°, 89%, 89%
HSV	236°, 19%, 99%
XYZ	64.2570, 63.8674, 101.0374
YIQ	210.3470, -16.5540, 13.6700

Conversions

Conversions Part 2

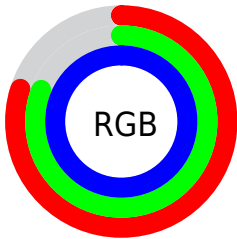
Format	Color
R _Y B	203, 206, 252
Decimal	13356796
CIE Lab	83.90, 8.24, -22.84
CIE LCh	84, 24.282, 289.842
Yxy	63.8674, 0.2804, 0.2787
Android (android.graphics.Color)	4291546876 (0xFFC BCEFC)
YUV	210.3470, 20.5349, -6.4433
Hunter-Lab	79.9171, 3.6672, -19.0171

Details

The Yxy color **63.8674, 0.2804, 0.2787** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.7021, 0.3427, 0.3748**, and the grayscale version is **64.5550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6925, 0.2725, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **50.0864, 0.2611, 0.2483**, and if you desaturate by 10%, it is **79.9366, 0.2979, 0.3061**.

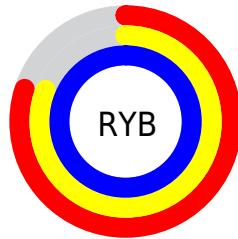
Distribution



Red (80%)

Green (81%)

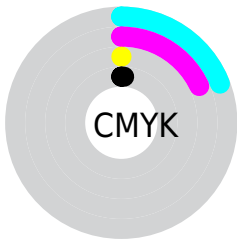
Blue (99%)



Red (80%)

Yellow (81%)

Blue (99%)

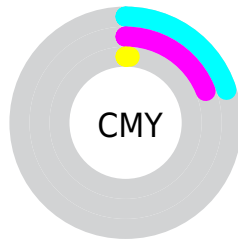


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (19%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8674, 0.2804, 0.2787 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 63.8674, 0.2804, 0.2787 by changing the saturation by 10% instead.

■ 63.8674, 0.2804,
0.2787

■ 63.8674, 0.2804,
0.2787

438.7106, 0.2957,
0.3019

■ 46.5433, 0.2768,
0.2734

110.4199, 0.2858,
0.2867

■ 32.6748, 0.2724,
0.2670

140.4172, 0.2878,
0.2898

■ 21.8774, 0.2668,
0.2588

175.4076, 0.2896,
0.2925

■ 13.7668, 0.2593,
0.2483

215.7755, 0.2911,
0.2949

■ 7.9587, 0.2491,
0.2342

261.9054, 0.2925,
0.2970

■ 4.0685, 0.2344,
0.2143

314.1816, 0.2937,

■ 1.7120, 0.2113,

0.2988

0.1846

372.9885, 0.2947,
0.3004

0.4314, 0.1706,
0.1204

0.0000, 0.0000,
0.0000

63.8674, 0.2804,
0.2787

63.8674, 0.2804,
0.2787

50.0864, 0.2611,
0.2483

79.9366, 0.2979,
0.3061

38.4821, 0.2405,
0.2153

98.3832, 0.3135,
0.3302

28.9454, 0.2194,
0.1811

99.8084, 0.3144,
0.3319

21.3548, 0.1989,
0.1474

■ 15.5758, 0.1806,
0.1167

■ 11.4571, 0.1660,
0.0913

■ 8.8224, 0.1561,
0.0733

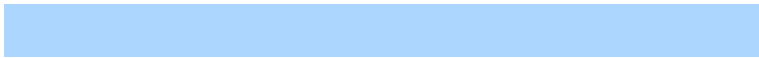
■ 7.4416, 0.1510,
0.0632

■ 7.3951, 0.1508,
0.0628

Harmonies

Analogous

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



63.8674, 0.2613, 0.2833



63.8674, 0.2804, 0.2787



63.8674, 0.3089, 0.2863

Triad

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



63.8674, 0.2804, 0.2787



63.8674, 0.3737, 0.3532



63.8674, 0.2849, 0.3558

Complementary

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



63.8674, 0.2804, 0.2787



92.7021, 0.3427, 0.3748

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.



63.8674, 0.3142, 0.3772



63.8674, 0.2804, 0.2787



63.8674, 0.3661, 0.3739

Square

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



63.8674, 0.2804, 0.2787



63.8674, 0.3639, 0.3279



63.8674, 0.3440, 0.3835



63.8674, 0.2638, 0.3268

Rectangle

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



63.8674, 0.2804, 0.2787



63.8674, 0.3297, 0.2972



63.8674, 0.3440, 0.3835



63.8674, 0.2941, 0.3643

Sweetspot

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



63.8700, 0.2804, 0.2787



88.4043, 0.3035, 0.3148



89.1325, 0.2852, 0.3324



18.6636, 0.3025, 0.3132



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.



63.8700, 0.2804, 0.2787



60.3313, 0.2738, 0.2682



65.5882, 0.2949, 0.2775



16.8183, 0.2979, 0.3060



3.9212, 0.1511, 0.0638



0.4227, 0.1536, 0.0730

Inverse Universe

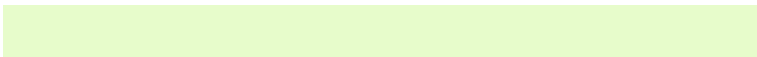
The Inverse Universe completely reimagines the original color for something new.



67.8343, 0.3490, 0.3259



65.0701, 0.3574, 0.3253



90.8767, 0.3280, 0.3799



17.2429, 0.3284, 0.3275



10.8067, 0.6336, 0.3264



1.0069, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 63.8674, 0.2804, 0.2787 looks on a white background.

Color Contrast Check

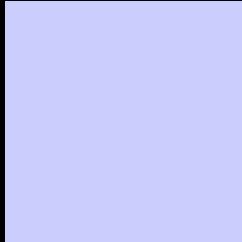
Large Text (above 18pt) WCAG AA × Fail

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 63.8674, 0.2804, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

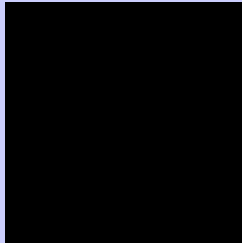
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8674, 0.2804, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 63.8674, 0.2804, 0.2787.



This preview shows how white text looks on a background with the Yxy color 63.8674, 0.2804, 0.2787.

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

63.8674, 0.2804, 0.2787

Protanopia

63.8596, 0.2773, 0.2784

Deuteranopia

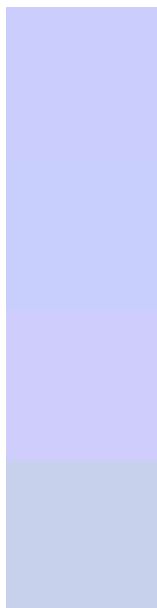
63.6239, 0.2837, 0.2769



Tritanopia

63.6450, 0.2928, 0.3095

Trichromacy



Original Color

63.8674, 0.2804, 0.2787

Protanomaly

63.9969, 0.2779, 0.2785

Deuteranomaly

63.8127, 0.2824, 0.2779

Tritanomaly

63.9364, 0.2884, 0.2986

Monochromacy



Original Color

63.8674, 0.2804, 0.2787

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.3026, 0.3004, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8674, 0.2804, 0.2787 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(203, 206, 252)` looks like.

```
.text, #text, p{  
    color:rgb(203, 206, 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(203, 206, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 206, 252) }
```

Border

The CSS property to change the border of an element to Yxy 63.8674, 0.2804, 0.2787 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(203, 206, 252) }
```

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

```
.border{ border-color:rgb(203, 206, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 206, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 206, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 206, 252);  
box-shadow:4px 4px 4px 4px rgb(203, 206,  
252) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.8674, 0.2804, 0.2787$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 206, 252) }
```

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

```
.background{ background-color: rgb(203,  
206, 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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