

Converting Colors

Yxy(64.4657, 0.2800, 0.2762)

Have a look what the booklet for
Yxy(64.4657, 0.2800, 0.2762)
contains.

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Color

Yxy(64.3417, 0.2800, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	CDCEFF
RGB	205, 206, 255
RGB Percent	80%, 81%, 100%
CMY	0.1960, 0.1921, 0.0001
CMYK	0.20, 0.19, 0.00, 0.00
HSL	239°, 100%, 90%
HSV	239°, 20%, 100%
XYZ	65.2978, 64.3417, 103.5670
YIQ	211.2870, -16.3250, 15.0270

Conversions

Conversions Part 2

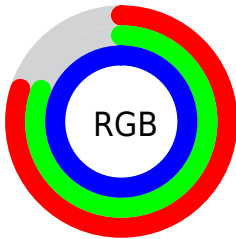
Format	Color
R _Y B	205, 206, 255
Decimal	13487871
CIE Lab	84.14, 9.54, -24.03
CIE LCh	84, 25.852, 291.644
Yxy	64.3417, 0.2800, 0.2759
Android (android.graphics.Color)	4291677951 (0xFFCDCEFF)
YUV	211.2870, 21.5505, -5.5137
Hunter-Lab	80.2133, 4.9352, -20.4027

Details

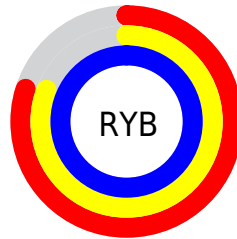
The Yxy color **64.3417, 0.2800, 0.2759** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.5425, 0.3425, 0.3771**, and the grayscale version is **65.2062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0177, 0.2719, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **49.9160, 0.2604, 0.2440**, and if you desaturate by 10%, it is **81.2769, 0.2977, 0.3046**.

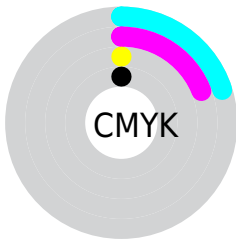
Distribution



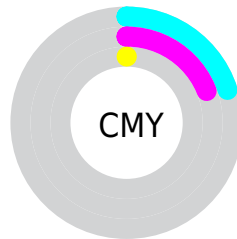
- Red (80%)
- Green (81%)
- Blue (100%)



- Red (80%)
- Yellow (81%)
- Blue (100%)



- Cyan (20%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3417, 0.2800, 0.2759 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 64.3417, 0.2800, 0.2759 by changing the saturation by 10% instead.

■ 64.3417, 0.2800,
0.2759

■ 64.3417, 0.2800,
0.2759

440.4225, 0.2955,
0.3003

■ 46.9275, 0.2764,
0.2704

111.1029, 0.2854,
0.2843

■ 32.9783, 0.2719,
0.2637

141.2187, 0.2875,
0.2876

■ 22.1098, 0.2662,
0.2552

176.3371, 0.2893,
0.2904

■ 13.9376, 0.2587,
0.2443

216.8425, 0.2909,
0.2929

■ 8.0773, 0.2485,
0.2297

263.1194, 0.2922,
0.2951

■ 4.1445, 0.2336,
0.2093

315.5521, 0.2934,

■ 1.7547, 0.2106,

0.2970

0.1792

374.5250, 0.2945,
0.2987

0.4587, 0.1720,
0.1180

0.0000, 0.0000,
0.0000

64.3417, 0.2800,
0.2759

64.3417, 0.2800,
0.2759

49.9160, 0.2604,
0.2440

81.2769, 0.2977,
0.3046

37.8731, 0.2394,
0.2095

99.9987, 0.3127,
0.3290

28.0873, 0.2178,
0.1740

20.4178, 0.1969,
0.1396

■ 14.7087, 0.1785,
0.1090

■ 10.7820, 0.1641,
0.0847

■ 8.4279, 0.1548,
0.0687

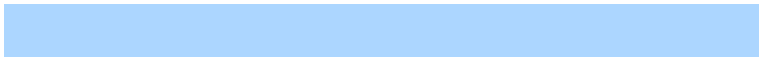
■ 7.3568, 0.1504,
0.0610

■ 7.3282, 0.1502,
0.0608

Harmonies

Analogous

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



64.3417, 0.2591, 0.2798



64.3417, 0.2800, 0.2759



64.3417, 0.3106, 0.2847

Triad

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



64.3417, 0.2800, 0.2759



64.3417, 0.3775, 0.3560



64.3417, 0.2815, 0.3558

Complementary

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



64.3417, 0.2800, 0.2759



96.5425, 0.3425, 0.3771

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.



64.3417, 0.3122, 0.3794



64.3417, 0.2800, 0.2759



64.3417, 0.3683, 0.3776

Square

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



64.3417, 0.2800, 0.2759



64.3417, 0.3683, 0.3293



64.3417, 0.3441, 0.3871



64.3417, 0.2599, 0.3247

Rectangle

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



64.3417, 0.2800, 0.2759



64.3417, 0.3327, 0.2965



64.3417, 0.3441, 0.3871



64.3417, 0.2911, 0.3650

Sweetspot

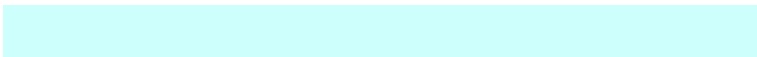
The Sweet Spot groups the original color and five complimentary colors.



64.3443, 0.2800, 0.2759



88.0146, 0.3035, 0.3141



91.6001, 0.2841, 0.3306



18.5719, 0.3025, 0.3125



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.



64.3443, 0.2800, 0.2759



57.6980, 0.2716, 0.2622



67.4368, 0.2959, 0.2773



17.4353, 0.2978, 0.3049



3.8548, 0.1503, 0.0612



0.3947, 0.1511, 0.0640

Inverse Universe

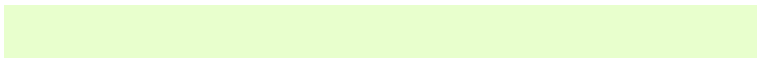
The Inverse Universe completely reimagines the original color for something new.



69.3824, 0.3509, 0.3281



63.6952, 0.3621, 0.3279



93.0149, 0.3270, 0.3805



17.9929, 0.3291, 0.3286



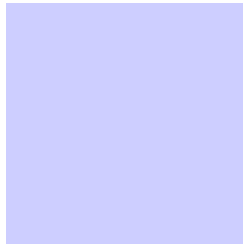
11.1171, 0.6381, 0.3289



1.0844, 0.6333, 0.3262

Previews

White Background



This preview shows how the Yxy color 64.3417, 0.2800, 0.2759 looks on a white background.

Color Contrast Check

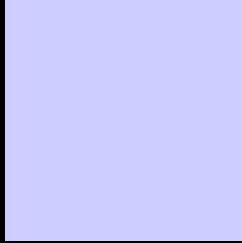
Large Text (above 18pt) WCAG AA × Fail

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 64.3417, 0.2800, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

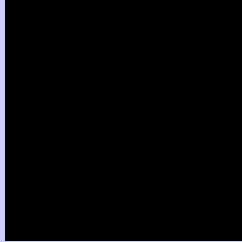
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3417, 0.2800, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 64.3417, 0.2800, 0.2759.

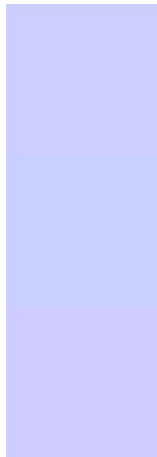


This preview shows how white text looks on a background with the Yxy color 64.3417, 0.2800, 0.2759.

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

64.3417, 0.2800, 0.2759

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

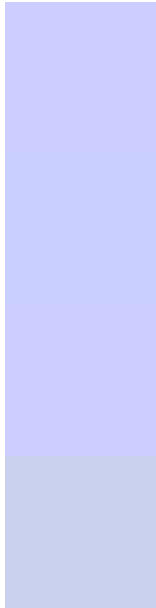
64.1480, 0.2812, 0.2750



Tritanopia

64.4693, 0.2935, 0.3096

Trichromacy



Original Color

64.3417, 0.2800, 0.2759

Protanomaly

64.2632, 0.2774, 0.2766

Deuteranomaly

64.0045, 0.2806, 0.2749

Tritanomaly

64.3305, 0.2885, 0.2966

Monochromacy



Original Color

64.3417, 0.2800, 0.2759

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.7023, 0.3005, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3417, 0.2800, 0.2759 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(205, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 206, 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(205, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3417, 0.2800, 0.2759 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(205, 206, 255) }
```

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

```
.border{ border-color:rgb(205, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3417, 0.2800, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 206, 255) }
```

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

```
.background{ background-color: rgb(205,  
206, 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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