

Converting Colors

$Yxy(63.9764, 0.2848, 0.2857)$

Have a look what the booklet for
Yxy(63.9764, 0.2848, 0.2857)
contains.

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Color

Yxy(64.1168, 0.2848, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	CCCFF6
RGB	204, 207, 246
RGB Percent	80%, 81%, 96%
CMY	0.2001, 0.1882, 0.0352
CMYK	0.17, 0.16, 0.00, 0.04
HSL	236°, 70%, 88%
HSV	236°, 17%, 96%
XYZ	63.8478, 64.1168, 96.2200
YIQ	210.5490, -14.3070, 11.4930

Conversions

Conversions Part 2

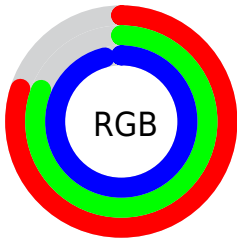
Format	Color
RYB	204, 207, 246
Decimal	13422582
CIELab	84.03, 6.75, -19.47
CIELCh	84, 20.602, 289.121
Yxy	64.1168, 0.2848, 0.2860
Android (android.graphics.Color)	4291612662 (0xFFCCCCFF6)
YUV	210.5490, 17.4773, -5.7435
Hunter-Lab	80.0730, 2.2028, -15.1950

Details

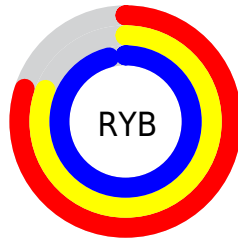
The Yxy color **64.1168, 0.2848, 0.2860** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.0570, 0.3389, 0.3687**, and the grayscale version is **64.7186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.8897, 0.2773, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **50.6386, 0.2660, 0.2566**, and if you desaturate by 10%, it is **79.7489, 0.3018, 0.3123**.

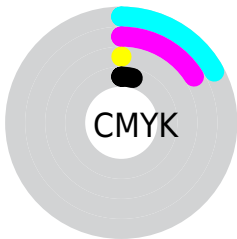
Distribution



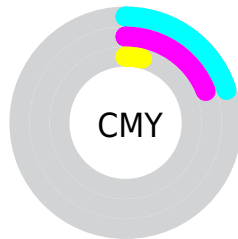
- Red (80%)
- Green (81%)
- Blue (96%)



- Red (80%)
- Yellow (81%)
- Blue (96%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1168, 0.2848, 0.2860 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 64.1168, 0.2848, 0.2860 by changing the saturation by 10% instead.

■ 64.1168, 0.2848,
0.2860

■ 64.1168, 0.2848,
0.2860

439.6113, 0.2980,
0.3059

■ 46.7453, 0.2817,
0.2815

110.7791, 0.2894,
0.2929

■ 32.8343, 0.2779,
0.2759

140.8387, 0.2912,
0.2956

■ 21.9996, 0.2730,
0.2688

175.8965, 0.2928,
0.2979

■ 13.8566, 0.2665,
0.2596

216.3368, 0.2941,
0.2999

■ 8.0210, 0.2576,
0.2471

262.5440, 0.2953,
0.3017

■ 4.1084, 0.2445,
0.2293

314.9026, 0.2963,

■ 1.7344, 0.2239,

0.3033

0.2023

373.7969, 0.2972,
0.3047

0.4458, 0.1852,
0.1403

0.0000, 0.0000,
0.0000

64.1168, 0.2848,
0.2860

64.1168, 0.2848,
0.2860

50.6386, 0.2660,
0.2566

79.7489, 0.3018,
0.3123

39.2125, 0.2457,
0.2245

97.6153, 0.3169,
0.3354

29.7399, 0.2247,
0.1908

99.4355, 0.3179,
0.3376

22.1113, 0.2041,
0.1570

■ 16.2061, 0.1852,
0.1254

■ 11.8897, 0.1696,
0.0984

■ 9.0070, 0.1584,
0.0782

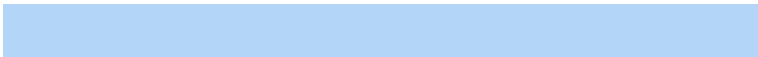
■ 7.3698, 0.1521,
0.0657

■ 7.0789, 0.1510,
0.0634

Harmonies

Analogous

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



64.1168, 0.2686, 0.2904



64.1168, 0.2848, 0.2860



64.1168, 0.3090, 0.2922

Triad

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



64.1168, 0.2848, 0.2860



64.1168, 0.3642, 0.3494



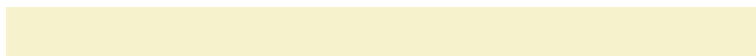
64.1168, 0.2898, 0.3522

Complementary

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



64.1168, 0.2848, 0.2860



88.0570, 0.3389, 0.3687

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.



64.1168, 0.3148, 0.3698



64.1168, 0.2848, 0.2860



64.1168, 0.3583, 0.3669

Square

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



64.1168, 0.2848, 0.2860



64.1168, 0.3556, 0.3278



64.1168, 0.3399, 0.3750



64.1168, 0.2714, 0.3280

Rectangle

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



64.1168, 0.2848, 0.2860



64.1168, 0.3266, 0.3014



64.1168, 0.3399, 0.3750



64.1168, 0.2976, 0.3591

Sweetspot

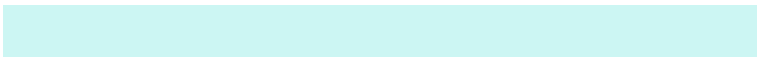
The Sweet Spot groups the original color and five complimentary colors.



64.1194, 0.2848, 0.2860



90.3434, 0.3051, 0.3174



85.2047, 0.2888, 0.3327



19.0573, 0.3040, 0.3157



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.



64.1194, 0.2848, 0.2860



63.5092, 0.2776, 0.2747



65.2824, 0.2969, 0.2842



16.1183, 0.2979, 0.3063



3.8499, 0.1513, 0.0645



0.4038, 0.1543, 0.0754

Inverse Universe

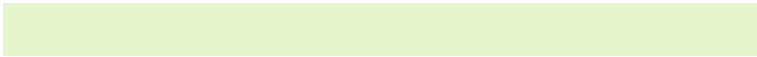
The Inverse Universe completely reimagines the original color for something new.



67.2793, 0.3433, 0.3259



67.6660, 0.3522, 0.3252



86.8637, 0.3266, 0.3732



16.5019, 0.3282, 0.3273



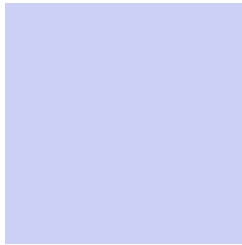
10.4880, 0.6324, 0.3258



0.9284, 0.6144, 0.3158

Previews

White Background



This preview shows how the Yxy color 64.1168, 0.2848, 0.2860 looks on a white background.

Color Contrast Check

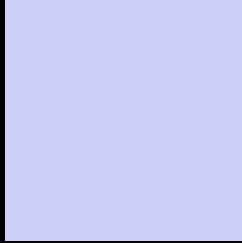
Large Text (above 18pt) WCAG AA × Fail

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 64.1168, 0.2848, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

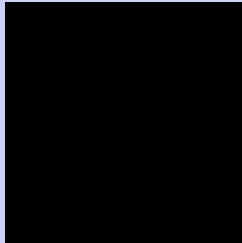
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1168, 0.2848, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 64.1168, 0.2848, 0.2860.

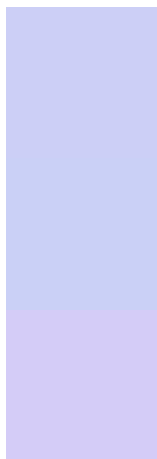


This preview shows how white text looks on a background with the Yxy color 64.1168, 0.2848, 0.2860.

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

64.1168, 0.2848, 0.2860

Protanopia

64.3221, 0.2835, 0.2870

Deuteranopia

63.8982, 0.2896, 0.2824



Tritanopia

64.0567, 0.2949, 0.3096

Trichromacy



Original Color

64.1168, 0.2848, 0.2860

Protanomaly

64.4621, 0.2842, 0.2871

Deuteranomaly

63.9334, 0.2875, 0.2832

Tritanomaly

64.0980, 0.2910, 0.3009

Monochromacy



Original Color

64.1168, 0.2848, 0.2860

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.8849, 0.3018, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1168, 0.2848, 0.2860 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(204, 207, 246)` looks like.

```
.text, #text, p{  
    color:rgb(204, 207, 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(204, 207, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 207, 246) }
```

Border

The CSS property to change the border of an element to Yxy 64.1168, 0.2848, 0.2860 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(204, 207, 246) }
```

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

```
.border{ border-color:rgb(204, 207, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 207, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 207, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 207, 246);  
box-shadow:4px 4px 4px 4px rgb(204, 207,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1168, 0.2848, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 207, 246) }
```

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

```
.background{ background-color: rgb(204,  
207, 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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