

Converting Colors

$Yxy(55.7759, 0.2840, 0.2669)$

Have a look what the booklet for
Yxy(55.7759, 0.2840, 0.2669)
contains.

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Color

Yxy(55.6843, 0.2838, 0.2664)

Conversions

Conversions Part 1

Format	Color
Hex	CBBDF5
RGB	203, 189, 245
RGB Percent	80%, 74%, 96%
CMY	0.2037, 0.2589, 0.0392
CMYK	0.17, 0.23, 0.00, 0.04
HSL	255°, 74%, 85%
HSV	255°, 23%, 96%
XYZ	59.3213, 55.6843, 94.0195
YIQ	199.5700, -9.6320, 20.3840

Conversions

Conversions Part 2

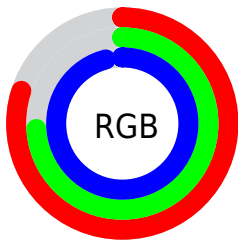
Format	Color
R _Y B	203, 189, 245
Decimal	13352437
CIE Lab	79.43, 15.94, -25.91
CIE LCh	79, 30.421, 301.604
Yxy	55.6843, 0.2838, 0.2664
Android (android.graphics.Color)	4291542517 (0xFFCBBDF5)
YUV	199.5700, 22.3970, 3.0081
Hunter-Lab	74.6219, 11.3118, -22.4668

Details

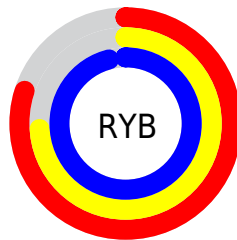
The Yxy color $55.6843, 0.2838, 0.2664$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $85.9663, 0.3375, 0.3881$, and the grayscale version is $57.3510, 0.3127, 0.3290$.

A 20% lighter version of the original color is $93.7848, 0.3132, 0.3194$, and $27.5783, 0.2754, 0.2515$ is the 20% darker color. If you saturate the color by 10%, you get $43.5961, 0.2683, 0.2349$, and if you desaturate by 10%, it is $69.8623, 0.2976, 0.2955$.

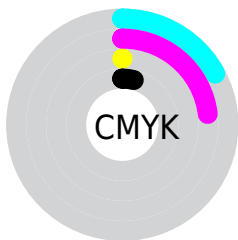
Distribution



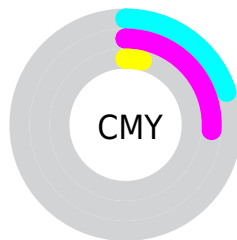
- Red (80%)
- Green (74%)
- Blue (96%)



- Red (80%)
- Yellow (74%)
- Blue (96%)



- Cyan (17%)
- Magenta (23%)
- Yellow (0%)
- Black (4%)





- Cyan (20%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6843, 0.2838, 0.2664 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 55.6843, 0.2838, 0.2664 by changing the saturation by 10% instead.

 55.6843, 0.2838,
0.2664

 55.6843, 0.2838,
0.2664

408.5007, 0.2980,
0.2955

 39.9499, 0.2804,
0.2598


 98.5428, 0.2889,
0.2765

 27.4995, 0.2760,
0.2516


126.4357, 0.2908,
0.2804

 17.9487, 0.2704,
0.2412

159.1502, 0.2925,
0.2838

 10.9131, 0.2628,
0.2278

197.0707, 0.2939,
0.2868

 6.0085, 0.2521,
0.2097

240.5816, 0.2951,
0.2893

 2.8502, 0.2360,
0.1843

290.0673, 0.2962,

 1.0540, 0.2097,

0.2916

0.1468

345.9122, 0.2972,
0.2937

0.0000, 0.1432,
0.0000

0.0000, 0.0000,
0.0000

55.6843, 0.2838,
0.2664

55.6843, 0.2838,
0.2664

43.5961, 0.2683,
0.2349

69.8623, 0.2976,
0.2955

33.4909, 0.2513,
0.2020

86.2166, 0.3096,
0.3220

25.2626, 0.2332,
0.1689

99.3735, 0.3185,
0.3386

18.7922, 0.2150,
0.1375

■ 13.9469, 0.1977,
0.1100

■ 10.5741, 0.1823,
0.0883

■ 8.4907, 0.1700,
0.0738

■ 7.6035, 0.1633,
0.0673

Harmonies

Analogous

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



55.6843, 0.2539, 0.2654



55.6843, 0.2838, 0.2664



55.6843, 0.3234, 0.2817

Triad

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



55.6843, 0.2838, 0.2664



55.6843, 0.3914, 0.3712



55.6843, 0.2639, 0.3496

Complementary

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



55.6843, 0.2838, 0.2664



85.9663, 0.3375, 0.3881

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.



55.6843, 0.2984, 0.3842



55.6843, 0.2838, 0.2664



55.6843, 0.3727, 0.3946

Square

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



55.6843, 0.2838, 0.2664



55.6843, 0.3878, 0.3397



55.6843, 0.3383, 0.4007



55.6843, 0.2429, 0.3107

Rectangle

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



55.6843, 0.2838, 0.2664



55.6843, 0.3502, 0.2981



55.6843, 0.3383, 0.4007



55.6843, 0.2742, 0.3624

Sweetspot

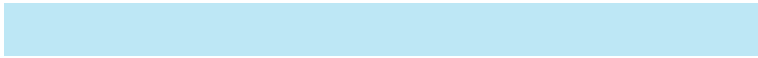
The Sweet Spot groups the original color and five complimentary colors.



55.6866, 0.2838, 0.2664



86.6880, 0.3048, 0.3114



74.5663, 0.2776, 0.3134



18.3212, 0.3041, 0.3098



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.



55.6866, 0.2838, 0.2664



55.1606, 0.2775, 0.2535



59.9717, 0.3046, 0.2701



16.1278, 0.3018, 0.3048



4.1504, 0.1646, 0.0680



0.4115, 0.1768, 0.0748

Inverse Universe

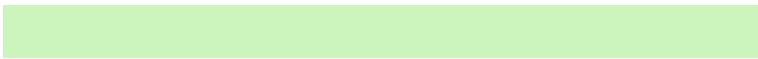
The Inverse Universe completely reimagines the original color for something new.



61.5692, 0.3260, 0.2856



62.5966, 0.3289, 0.2774



81.6830, 0.3187, 0.3917



16.6930, 0.3176, 0.3114



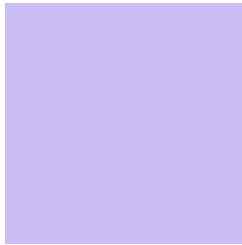
12.3331, 0.3968, 0.1959



1.1004, 0.3852, 0.1895

Previews

White Background



This preview shows how the Yxy color 55.6843, 0.2838, 0.2664 looks on a white background.

Color Contrast Check

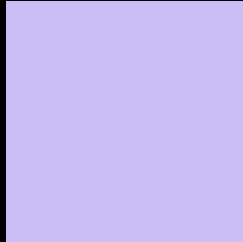
Large Text (above 18pt) WCAG AA × Fail

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 55.6843, 0.2838, 0.2664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

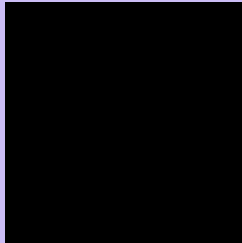
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6843, 0.2838, 0.2664

Background



This preview shows how black text looks on a background with the Yxy color 55.6843, 0.2838, 0.2664.

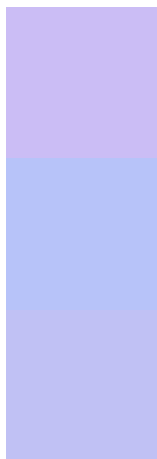


This preview shows how white text looks on a background with the Yxy color 55.6843, 0.2838, 0.2664.

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

55.6843, 0.2838, 0.2664

Protanopia

55.9370, 0.2679, 0.2670

Deuteranopia

55.8780, 0.2769, 0.2708



Tritanopia

55.6037, 0.3027, 0.3099

Trichromacy



Original Color

55.6843, 0.2838, 0.2664

Protanomaly

55.8644, 0.2730, 0.2664

Deuteranomaly

55.9667, 0.2796, 0.2700

Tritanomaly

55.6098, 0.2958, 0.2940

Monochromacy



Original Color

55.6843, 0.2838, 0.2664

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.8552, 0.3022, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6843, 0.2838, 0.2664 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, 189, 245)` looks like.

```
.text, #text, p{  
    color:rgb(203, 189, 245)  
}
```

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, 189, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 189, 245) }
```

Border

The CSS property to change the border of an element to Yxy 55.6843, 0.2838, 0.2664 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, 189, 245) }
```

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

```
.border{ border-color:rgb(203, 189, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 189, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 189, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 189, 245);  
box-shadow:4px 4px 4px 4px rgb(203, 189,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6843, 0.2838, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 189, 245) }
```

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

```
.background{ background-color: rgb(203,  
189, 245) }
```

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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