

Converting Colors

$Yxy(63.3643, 0.2802, 0.2735)$

Have a look what the booklet for
Yxy(63.3643, 0.2802, 0.2735)
contains.

Yxy(63.5275, 0.2805, 0.2738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.5275, 0.2805, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	CECCFF
RGB	206, 204, 255
RGB Percent	81%, 80%, 100%
CMY	0.1923, 0.1999, 0.0001
CMYK	0.19, 0.20, 0.00, 0.00
HSL	242°, 100%, 90%
HSV	242°, 20%, 100%
XYZ	65.0820, 63.5275, 103.4120
YIQ	210.4120, -15.1790, 16.2850

Conversions

Conversions Part 2

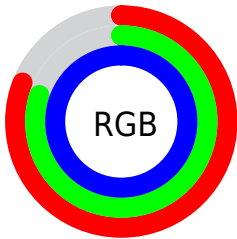
Format	Color
R _Y B	206, 204, 255
Decimal	13552895
CIE Lab	83.72, 10.88, -24.66
CIE LCh	84, 26.955, 293.799
Yxy	63.5275, 0.2805, 0.2738
Android (android.graphics.Color)	4291742975 (0xFFCECCFF)
YUV	210.4120, 21.9819, -3.8693
Hunter-Lab	79.7041, 6.2711, -21.1328

Details

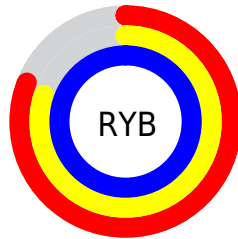
The Yxy color **63.5275, 0.2805, 0.2738** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.7507, 0.3417, 0.3792**, and the grayscale version is **64.5906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.4692, 0.2726, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **49.1437, 0.2614, 0.2413**, and if you desaturate by 10%, it is **80.4484, 0.2977, 0.3031**.

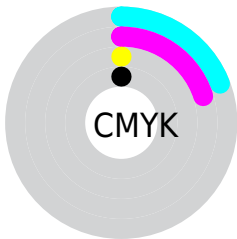
Distribution



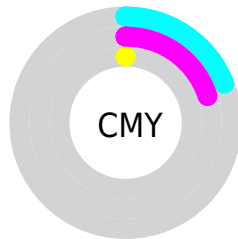
- Red (81%)
- Green (80%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5275, 0.2805, 0.2738 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 63.5275, 0.2805, 0.2738 by changing the saturation by 10% instead.

■ 63.5275, 0.2805,
0.2738

■ 63.5275, 0.2805,
0.2738

437.4814, 0.2958,
0.2991

■ 46.2681, 0.2769,
0.2681

109.9302, 0.2859,
0.2825

■ 32.4574, 0.2725,
0.2611

139.8422, 0.2879,
0.2859

■ 21.7111, 0.2668,
0.2523

174.7406, 0.2897,
0.2889

■ 13.6448, 0.2593,
0.2410

215.0097, 0.2913,
0.2915

■ 7.8740, 0.2490,
0.2259

261.0340, 0.2926,
0.2937

■ 4.0144, 0.2341,
0.2048

313.1977, 0.2938,

■ 1.6816, 0.2110,

0.2957

0.1738

371.8854, 0.2949,
0.2975

0.4117, 0.1721,
0.1079

0.0000, 0.0000,
0.0000

63.5275, 0.2805,
0.2738

63.5275, 0.2805,
0.2738

49.1437, 0.2614,
0.2413

80.4484, 0.2977,
0.3031

37.1674, 0.2407,
0.2065

99.9980, 0.3127,
0.3290

27.4694, 0.2194,
0.1709

19.9053, 0.1987,
0.1366

■ 14.3141, 0.1802,
0.1063

■ 10.5120, 0.1655,
0.0827

■ 8.2809, 0.1557,
0.0676

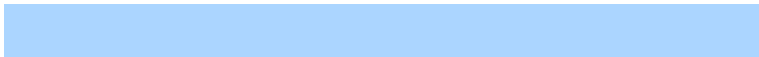
■ 7.2817, 0.1508,
0.0604

■ 7.2803, 0.1508,
0.0604

Harmonies

Analogous

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



63.5275, 0.2578, 0.2768



63.5275, 0.2805, 0.2738



63.5275, 0.3129, 0.2839

Triad

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



63.5275, 0.2805, 0.2738



63.5275, 0.3805, 0.3590



63.5275, 0.2781, 0.3549

Complementary

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



63.5275, 0.2805, 0.2738



96.7507, 0.3417, 0.3792

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.



63.5275, 0.3096, 0.3807



63.5275, 0.2805, 0.2738



63.5275, 0.3695, 0.3810

Square

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



63.5275, 0.2805, 0.2738



63.5275, 0.3722, 0.3313



63.5275, 0.3432, 0.3900



63.5275, 0.2564, 0.3221

Rectangle

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



63.5275, 0.2805, 0.2738



63.5275, 0.3360, 0.2967



63.5275, 0.3432, 0.3900



63.5275, 0.2878, 0.3648

Sweetspot

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



63.5301, 0.2805, 0.2738



87.9379, 0.3039, 0.3139



90.4801, 0.2826, 0.3272



18.5539, 0.3029, 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.



63.5301, 0.2805, 0.2738



57.4662, 0.2730, 0.2611



67.4362, 0.2980, 0.2765



17.4106, 0.2984, 0.3044



3.8193, 0.1511, 0.0606



0.3829, 0.1538, 0.0621

Inverse Universe

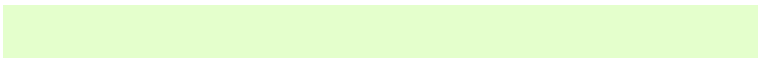
The Inverse Universe completely reimagines the original color for something new.



71.5454, 0.3164, 0.2810



66.8262, 0.3172, 0.2712



92.3217, 0.3251, 0.3819



18.2878, 0.3144, 0.3065



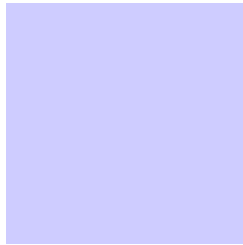
14.5698, 0.3306, 0.1595



1.4222, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 63.5275, 0.2805, 0.2738 looks on a white background.

Color Contrast Check

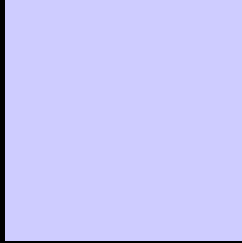
Large Text (above 18pt) WCAG AA × Fail

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 63.5275, 0.2805, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

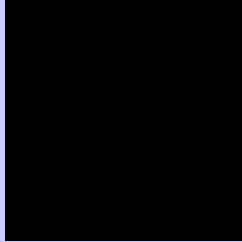
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5275, 0.2805, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 63.5275, 0.2805, 0.2738.



This preview shows how white text looks on a background with the Yxy color 63.5275, 0.2805, 0.2738.

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

63.5275, 0.2805, 0.2738

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.5275, 0.2805, 0.2738



Tritanopia

63.5094, 0.2955, 0.3096

Trichromacy



Original Color

63.5275, 0.2805, 0.2738

Protanomaly

63.6420, 0.2767, 0.2754

Deuteranomaly

63.5275, 0.2805, 0.2738

Tritanomaly

63.4366, 0.2898, 0.2954

Monochromacy



Original Color

63.5275, 0.2805, 0.2738

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.1580, 0.3012, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5275, 0.2805, 0.2738 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(206, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 204, 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(206, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.5275, 0.2805, 0.2738 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(206, 204, 255) }
```

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

```
.border{ border-color:rgb(206, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5275, 0.2805, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 204, 255) }
```

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

```
.background{ background-color: rgb(206,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor