

Converting Colors

$Y_{xy}(65.0234, 0.2792, 0.2614)$

Have a look what the booklet for
Yxy(65.0234, 0.2792, 0.2614)
contains.

Yxy(64.3789, 0.2866, 0.2736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.3789, 0.2866, 0.2736)

Conversions

Conversions Part 1

Format	Color
Hex	D7CBFF
RGB	215, 203, 255
RGB Percent	84%, 80%, 100%
CMY	0.1567, 0.2039, 0.0000
CMYK	0.16, 0.20, 0.00, 0.00
HSL	254°, 100%, 90%
HSV	254°, 20%, 100%
XYZ	67.4378, 64.3789, 103.4863
YIQ	212.5160, -9.5400, 18.7160

Conversions

Conversions Part 2

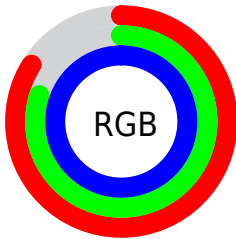
Format	Color
R _Y B	215, 203, 255
Decimal	14142463
CIE Lab	84.16, 14.22, -23.95
CIE LCh	84, 27.849, 300.704
Yxy	64.3789, 0.2866, 0.2736
Android (android.graphics.Color)	4292332543 (0xFFD7CBFF)
YUV	212.5160, 20.9446, 2.1785
Hunter-Lab	80.2365, 9.6134, -20.3047

Details

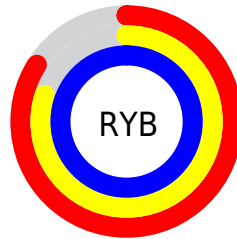
The Yxy color **64.3789, 0.2866, 0.2736** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.8793, 0.3356, 0.3814**, and the grayscale version is **66.0657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0457, 0.2803, 0.2614** is the 20% darker color. If you saturate the color by 10%, you get **50.5200, 0.2711, 0.2424**, and if you desaturate by 10%, it is **80.5781, 0.3003, 0.3023**.

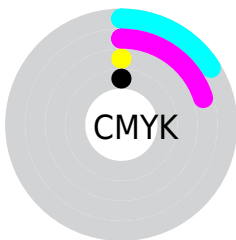
Distribution



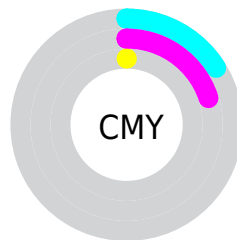
- Red (84%)
- Green (80%)
- Blue (100%)



- Red (84%)
- Yellow (80%)
- Blue (100%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3789, 0.2866, 0.2736 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 64.3789, 0.2866, 0.2736 by changing the saturation by 10% instead.

■ 64.3789, 0.2866,
0.2736

■ 64.3789, 0.2866,
0.2736

440.5566, 0.2991,
0.2989

■ 46.9576, 0.2837,
0.2679

111.1564, 0.2910,
0.2823

■ 33.0022, 0.2800,
0.2610

141.2815, 0.2927,
0.2857

■ 22.1281, 0.2753,
0.2523

176.4099, 0.2942,
0.2886

■ 13.9511, 0.2691,
0.2412

216.9261, 0.2954,
0.2912

■ 8.0866, 0.2605,
0.2264

263.2145, 0.2965,
0.2934

■ 4.1504, 0.2479,
0.2058

315.6595, 0.2975,

■ 1.7581, 0.2281,

0.2955

0.1758

374.6454, 0.2983,
0.2972

0.4608, 0.1963,
0.1152

0.0000, 0.0000,
0.0000

64.3789, 0.2866,
0.2736

64.3789, 0.2866,
0.2736

50.5200, 0.2711,
0.2424

80.5781, 0.3003,
0.3023

38.8858, 0.2539,
0.2094

99.2133, 0.3123,
0.3280

29.3604, 0.2357,
0.1759

100.0000, 0.3127,
0.3290

21.8146, 0.2171,
0.1437

■ 16.1046, 0.1992,
0.1148

■ 12.0669, 0.1832,
0.0915

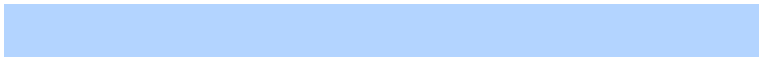
■ 9.5073, 0.1703,
0.0753

■ 8.1507, 0.1612,
0.0662

Harmonies

Analogous

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



64.3789, 0.2605, 0.2734



64.3789, 0.2866, 0.2736



64.3789, 0.3212, 0.2867

Triad

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



64.3789, 0.2866, 0.2736



64.3789, 0.3816, 0.3657



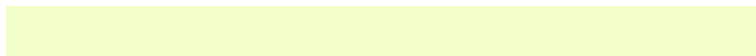
64.3789, 0.2708, 0.3480

Complementary

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



64.3789, 0.2866, 0.2736



94.8793, 0.3356, 0.3814

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.



64.3789, 0.3015, 0.3774



64.3789, 0.2866, 0.2736



64.3789, 0.3660, 0.3860

Square

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



64.3789, 0.2866, 0.2736



64.3789, 0.3777, 0.3380



64.3789, 0.3364, 0.3913



64.3789, 0.2517, 0.3143

Rectangle

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



64.3789, 0.2866, 0.2736



64.3789, 0.3445, 0.3012



64.3789, 0.3364, 0.3913



64.3789, 0.2800, 0.3589

Sweetspot

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



64.3810, 0.2866, 0.2736



88.4614, 0.3058, 0.3139



84.4558, 0.2814, 0.3171



18.6772, 0.3050, 0.3122



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.



64.3810, 0.2866, 0.2736



59.1197, 0.2812, 0.2626



68.5006, 0.3044, 0.2765



17.5806, 0.3015, 0.3047



4.3141, 0.1625, 0.0669



0.4669, 0.1730, 0.0727

Inverse Universe

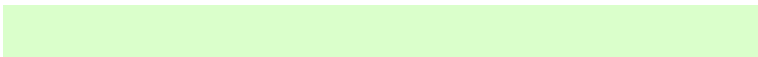
The Inverse Universe completely reimagines the original color for something new.



70.4377, 0.3236, 0.2894



66.0955, 0.3259, 0.2821



90.6952, 0.3192, 0.3841



18.2242, 0.3174, 0.3109



13.2147, 0.3900, 0.1922



1.3033, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 64.3789, 0.2866, 0.2736 looks on a white background.

Color Contrast Check

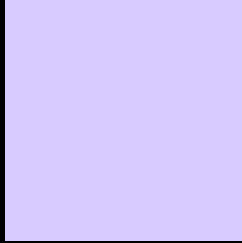
Large Text (above 18pt) WCAG AA × Fail

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 64.3789, 0.2866, 0.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

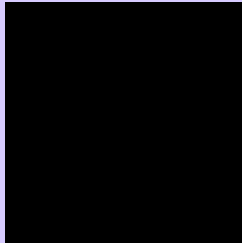
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3789, 0.2866, 0.2736

Background



This preview shows how black text looks on a background with the Yxy color 64.3789, 0.2866, 0.2736.



This preview shows how white text looks on a background with the Yxy color 64.3789, 0.2866, 0.2736.

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

64.3789, 0.2866, 0.2736

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.2925, 0.2819, 0.2751



Tritanopia

64.2496, 0.3026, 0.3099

Trichromacy



Original Color

64.3789, 0.2866, 0.2736

Protanomaly

64.3417, 0.2800, 0.2759

Deuteranomaly

64.2546, 0.2839, 0.2743

Tritanomaly

64.1958, 0.2967, 0.2959

Monochromacy



Original Color

64.3789, 0.2866, 0.2736

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4985, 0.3034, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3789, 0.2866, 0.2736 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(215, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 203, 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(215, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3789, 0.2866, 0.2736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

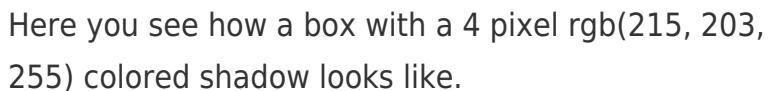
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 203, 255) }
```

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

```
.border{ border-color:rgb(215, 203, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3789, 0.2866, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 203, 255) }
```

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

```
.background{ background-color: rgb(215,  
203, 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