

Converting Colors

$Yxy(64.0658, 0.2933, 0.2743)$

Have a look what the booklet for
Yxy(64.0658, 0.2933, 0.2743)
contains.

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Color

Yxy(63.8664, 0.2933, 0.2741)

Conversions

Conversions Part 1

Format	Color
Hex	DEC8FC
RGB	222, 200, 252
RGB Percent	87%, 78%, 99%
CMY	0.1295, 0.2156, 0.0119
CMYK	0.12, 0.21, 0.00, 0.01
HSL	265°, 90%, 89%
HSV	265°, 21%, 99%
XYZ	68.3401, 63.8664, 100.7975
YIQ	212.5060, -3.5800, 20.8360

Conversions

Conversions Part 2

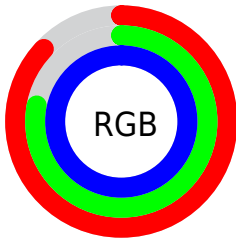
Format	Color
R _Y B	222, 200, 252
Decimal	14600444
CIE Lab	83.90, 17.35, -22.69
CIE LCh	84, 28.560, 307.405
Yxy	63.8664, 0.2933, 0.2741
Android (android.graphics.Color)	4292790524 (0xFFDEC8FC)
YUV	212.5060, 19.4705, 8.3262
Hunter-Lab	79.9165, 12.7894, -18.8401

Details

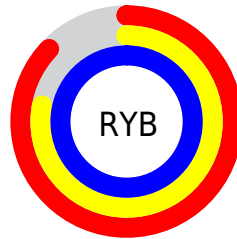
The Yxy color **63.8664, 0.2933, 0.2741** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.5997, 0.3292, 0.3831**, and the grayscale version is **66.0617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.7134, 0.2889, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **50.9439, 0.2816, 0.2444**, and if you desaturate by 10%, it is **78.9157, 0.3035, 0.3019**.

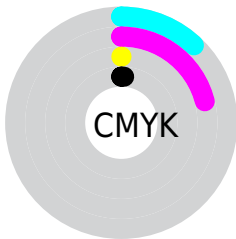
Distribution



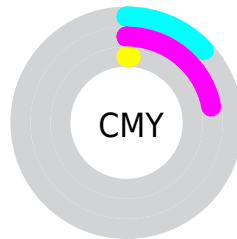
- Red (87%)
- Green (78%)
- Blue (99%)



- Red (87%)
- Yellow (78%)
- Blue (99%)



- Cyan (12%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)




- Cyan (13%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8664, 0.2933, 0.2741 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 63.8664, 0.2933, 0.2741 by changing the saturation by 10% instead.


 63.8664, 0.2933,
0.2741

 63.8664, 0.2933,
0.2741


438.7070, 0.3027,
0.2991

 46.5425, 0.2910,
0.2685

110.4185, 0.2967,
0.2827

 32.6741, 0.2882,
0.2617


140.4155, 0.2979,
0.2860

 21.8769, 0.2846,
0.2531


175.4056, 0.2990,
0.2890

 13.7665, 0.2797,
0.2421

215.7732, 0.3000,
0.2915

 7.9584, 0.2728,
0.2274

261.9028, 0.3008,
0.2937

 4.0684, 0.2626,
0.2071

314.1787, 0.3015,

 1.7119, 0.2461,

0.2957

0.1773

372.9853, 0.3022,
0.2975

0.4313, 0.2203,
0.1140

0.0000, 0.0000,
0.0000

63.8664, 0.2933,
0.2741

63.8664, 0.2933,
0.2741

50.9439, 0.2816,
0.2444

78.9157, 0.3035,
0.3019

40.0412, 0.2686,
0.2135

96.1763, 0.3122,
0.3275

31.0536, 0.2543,
0.1826

99.8066, 0.3145,
0.3319

23.8638, 0.2394,
0.1531

■ 18.3408, 0.2243,
0.1268

■ 14.3351, 0.2099,
0.1052

■ 11.6688, 0.1969,
0.0896

■ 10.1218, 0.1864,
0.0800

Harmonies

Analogous

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



63.8664, 0.2639, 0.2707



63.8664, 0.2933, 0.2741



63.8664, 0.3296, 0.2902

Triad

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



63.8664, 0.2933, 0.2741



63.8664, 0.3816, 0.3722



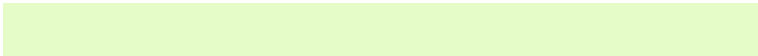
63.8664, 0.2640, 0.3407

Complementary

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



63.8664, 0.2933, 0.2741



90.5997, 0.3292, 0.3831

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.



63.8664, 0.2934, 0.3731



63.8664, 0.2933, 0.2741



63.8664, 0.3616, 0.3904

Square

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



63.8664, 0.2933, 0.2741



63.8664, 0.3823, 0.3448



63.8664, 0.3291, 0.3917



63.8664, 0.2478, 0.3067

Rectangle

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



63.8664, 0.2933, 0.2741



63.8664, 0.3528, 0.3062



63.8664, 0.3291, 0.3917



63.8664, 0.2726, 0.3523

Sweetspot

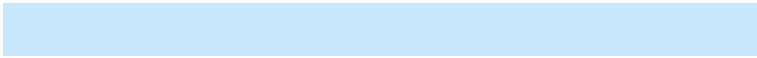
The Sweet Spot groups the original color and five complimentary colors.



63.8691, 0.2933, 0.2741



88.9867, 0.3077, 0.3140



76.0827, 0.2803, 0.3056



18.8011, 0.3071, 0.3124



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.



63.8691, 0.2933, 0.2741



59.5264, 0.2884, 0.2612



68.2343, 0.3119, 0.2771



17.0015, 0.3045, 0.3049



5.3562, 0.1881, 0.0810



0.5570, 0.2013, 0.0883

Inverse Universe

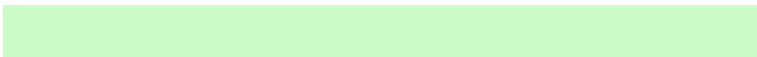
The Inverse Universe completely reimagines the original color for something new.



67.7206, 0.3311, 0.2986



64.2352, 0.3359, 0.2918



86.6612, 0.3127, 0.3859



17.3932, 0.3203, 0.3154



11.8833, 0.4636, 0.2328



1.1218, 0.4419, 0.2208

Previews

White Background



This preview shows how the Yxy color 63.8664, 0.2933, 0.2741 looks on a white background.

Color Contrast Check

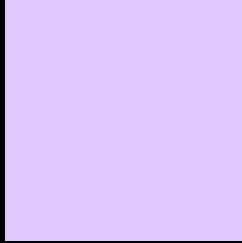
Large Text (above 18pt) WCAG AA × Fail

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 63.8664, 0.2933, 0.2741 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 63.8664, 0.2933, 0.2741

Background



This preview shows how black text looks on a background with the Yxy color 63.8664, 0.2933, 0.2741.

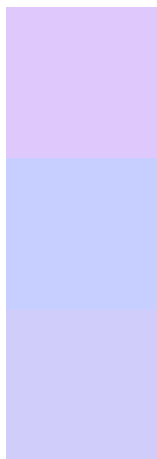


This preview shows how white text looks on a background with the Yxy color 63.8664, 0.2933, 0.2741.

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

63.8664, 0.2933, 0.2741

Protanopia

63.8514, 0.2755, 0.2763

Deuteranopia

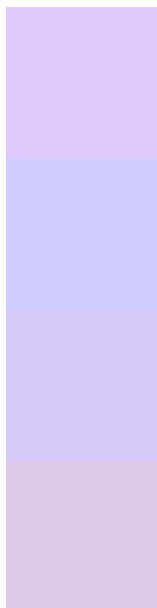
64.1830, 0.2850, 0.2792



Tritanopia

63.6883, 0.3098, 0.3101

Trichromacy



Original Color

63.8664, 0.2933, 0.2741

Protanomaly

63.6069, 0.2818, 0.2748

Deuteranomaly

63.9730, 0.2884, 0.2774

Tritanomaly

63.6551, 0.3038, 0.2963

Monochromacy



Original Color

63.8664, 0.2933, 0.2741

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.2567, 0.3056, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8664, 0.2933, 0.2741 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(222, 200, 252)` looks like.

```
.text, #text, p{  
    color:rgb(222, 200, 252)  
}
```

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(222, 200, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 200, 252) }
```

Border

The CSS property to change the border of an element to Yxy 63.8664, 0.2933, 0.2741 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(222, 200, 252) }
```

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

```
.border{ border-color:rgb(222, 200, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 200, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 200, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 200, 252);  
box-shadow:4px 4px 4px 4px rgb(222, 200,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8664, 0.2933, 0.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 200, 252) }
```

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

```
.background{ background-color: rgb(222,  
200, 252) }
```

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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