

Converting Colors

$Y_{xy}(73.1763, 0.2314, 0.1846)$

Have a look what the booklet for
Yxy(73.1763, 0.2314, 0.1846)
contains.

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Color

Yxy(63.2803, 0.2878, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	D9C8FF
RGB	217, 200, 255
RGB Percent	85%, 78%, 100%
CMY	0.1493, 0.2156, 0.0000
CMYK	0.15, 0.22, 0.00, 0.00
HSL	258°, 100%, 89%
HSV	258°, 22%, 100%
XYZ	67.3026, 63.2803, 103.2690
YIQ	211.3530, -7.5230, 20.7090

Conversions

Conversions Part 2

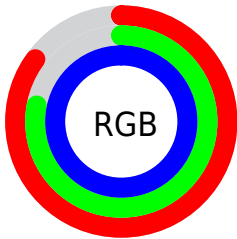
Format	Color
R _Y B	217, 200, 255
Decimal	14272767
CIE Lab	83.59, 16.39, -24.80
CIE LCh	84, 29.724, 303.468
Yxy	63.2803, 0.2878, 0.2706
Android (android.graphics.Color)	4292462847 (0xFFD9C8FF)
YUV	211.3530, 21.5180, 4.9524
Hunter-Lab	79.5489, 11.8098, -21.2850

Details

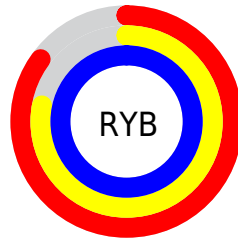
The Yxy color $63.2803, 0.2878, 0.2706$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.8814, 0.3341, 0.3850$, and the grayscale version is $65.2419, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.3164, 0.2819, 0.2575$ is the 20% darker color. If you saturate the color by 10%, you get $49.8762, 0.2736, 0.2398$, and if you desaturate by 10%, it is $78.9489, 0.3003, 0.2992$.

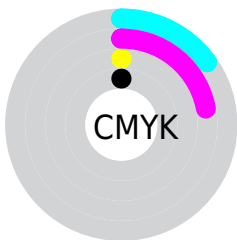
Distribution



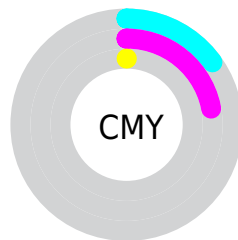
- Red (85%)
- Green (78%)
- Blue (100%)



- Red (85%)
- Yellow (78%)
- Blue (100%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2803, 0.2878, 0.2706 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 63.2803, 0.2878, 0.2706 by changing the saturation by 10% instead.


 63.2803, 0.2878,
0.2706

 63.2803, 0.2878,
0.2706

436.5860, 0.2998,
0.2972

 46.0680, 0.2850,
0.2646


109.5738, 0.2921,
0.2797

 32.2995, 0.2814,
0.2574


139.4238, 0.2937,
0.2833

 21.5904, 0.2768,
0.2483

174.2551, 0.2951,
0.2864

 13.5562, 0.2707,
0.2366

214.4522, 0.2963,
0.2891

 7.8127, 0.2622,
0.2211

260.3995, 0.2973,
0.2915

 3.9753, 0.2498,
0.1996

312.4813, 0.2983,

 1.6598, 0.2300,

0.2936

0.1684

371.0820, 0.2991,
0.2955

0.3974, 0.1989,
0.1016

0.0000, 0.0000,
0.0000

63.2803, 0.2878,
0.2706

63.2803, 0.2878,
0.2706

49.8762, 0.2736,
0.2398

78.9489, 0.3003,
0.2992

38.6221, 0.2579,
0.2075

96.9737, 0.3112,
0.3252

29.4052, 0.2410,
0.1750

99.9996, 0.3127,
0.3290

22.0988, 0.2236,
0.1440

■ 16.5620, 0.2067,
0.1165

■ 12.6331, 0.1913,
0.0943

■ 10.1194, 0.1782,
0.0788

■ 8.8563, 0.1694,
0.0707

Harmonies

Analogous

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



63.2803, 0.2588, 0.2689



63.2803, 0.2878, 0.2706



63.2803, 0.3252, 0.2857

Triad

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



63.2803, 0.2878, 0.2706



63.2803, 0.3859, 0.3706



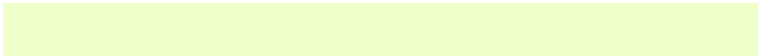
63.2803, 0.2653, 0.3460

Complementary

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



63.2803, 0.2878, 0.2706



93.8814, 0.3341, 0.3850

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.



63.2803, 0.2972, 0.3788



63.2803, 0.2878, 0.2706



63.2803, 0.3674, 0.3914

Square

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



63.2803, 0.2878, 0.2706



63.2803, 0.3838, 0.3412



63.2803, 0.3346, 0.3956



63.2803, 0.2464, 0.3099

Rectangle

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



63.2803, 0.2878, 0.2706



63.2803, 0.3501, 0.3017



63.2803, 0.3346, 0.3956



63.2803, 0.2748, 0.3580

Sweetspot

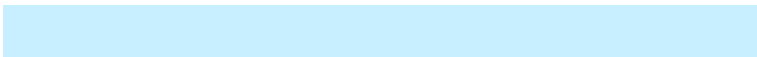
The Sweet Spot groups the original color and five complimentary colors.



63.2829, 0.2878, 0.2706



88.6692, 0.3066, 0.3140



80.9466, 0.2793, 0.3114



18.7261, 0.3058, 0.3123



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.



63.2829, 0.2878, 0.2706



57.0539, 0.2817, 0.2571



67.7754, 0.3072, 0.2739



17.6485, 0.3027, 0.3048



4.6964, 0.1709, 0.0715



0.5119, 0.1827, 0.0780

Inverse Universe

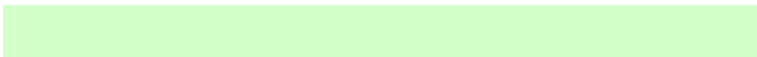
The Inverse Universe completely reimagines the original color for something new.



68.7599, 0.3274, 0.2910



63.5022, 0.3311, 0.2829



89.5401, 0.3167, 0.3881



18.1997, 0.3185, 0.3127



12.7870, 0.4177, 0.2075



1.2646, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 63.2803, 0.2878, 0.2706 looks on a white background.

Color Contrast Check

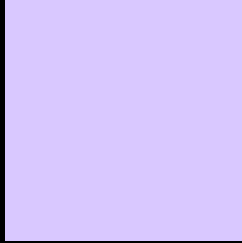
Large Text (above 18pt) WCAG AA × Fail

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 63.2803, 0.2878, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

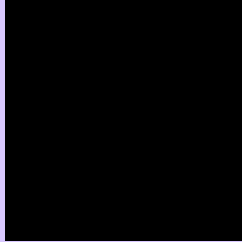
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2803, 0.2878, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 63.2803, 0.2878, 0.2706.

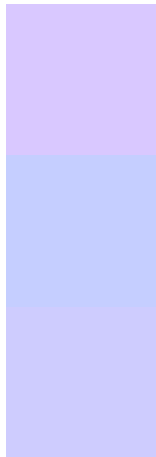


This preview shows how white text looks on a background with the Yxy color 63.2803, 0.2878, 0.2706.

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

63.2803, 0.2878, 0.2706

Protanopia

63.2329, 0.2747, 0.2751

Deuteranopia

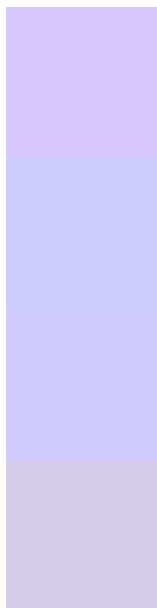
63.4633, 0.2811, 0.2747



Tritanopia

63.2654, 0.3054, 0.3110

Trichromacy



Original Color

63.2803, 0.2878, 0.2706

Protanomaly

63.2431, 0.2792, 0.2735

Deuteranomaly

63.5693, 0.2838, 0.2741

Tritanomaly

63.2724, 0.2987, 0.2959

Monochromacy



Original Color

63.2803, 0.2878, 0.2706

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.3178, 0.3034, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2803, 0.2878, 0.2706 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(217, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 200, 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(217, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.2803, 0.2878, 0.2706 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(217, 200, 255) }
```

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

```
.border{ border-color:rgb(217, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(217, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2803, 0.2878, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 200, 255) }
```

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

```
.background{ background-color: rgb(217,  
200, 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](#).

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