

Converting Colors

$Yxy(67.8955, 0.2567, 0.2245)$

Have a look what the booklet for
Yxy(67.8955, 0.2567, 0.2245)
contains.

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Color

Yxy(63.5922, 0.2872, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	D8C9FF
RGB	216, 201, 255
RGB Percent	85%, 79%, 100%
CMY	0.1528, 0.2118, 0.0000
CMYK	0.15, 0.21, 0.00, 0.00
HSL	257°, 100%, 89%
HSV	257°, 21%, 100%
XYZ	67.2695, 63.5922, 103.3637
YIQ	211.6410, -8.3940, 19.9740

Conversions

Conversions Part 2

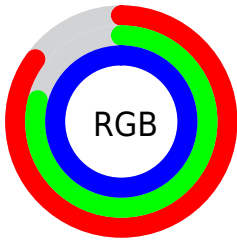
Format	Color
R _Y B	216, 201, 255
Decimal	14207487
CIE Lab	83.75, 15.61, -24.57
CIE LCh	84, 29.115, 302.432
Yxy	63.5922, 0.2872, 0.2715
Android (android.graphics.Color)	4292397567 (0xFFD8C9FF)
YUV	211.6410, 21.3760, 3.8228
Hunter-Lab	79.7447, 11.0224, -21.0293

Details

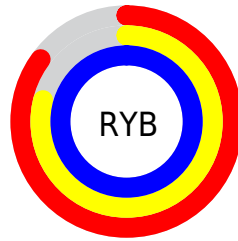
The Yxy color **63.5922, 0.2872, 0.2715** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.2508, 0.3348, 0.3838**, and the grayscale version is **65.4507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.5217, 0.2811, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **50.0287, 0.2725, 0.2405**, and if you desaturate by 10%, it is **79.4436, 0.3002, 0.3002**.

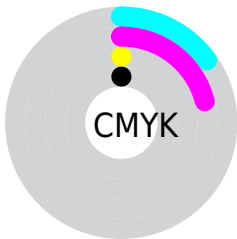
Distribution



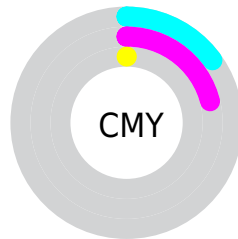
- Red (85%)
- Green (79%)
- Blue (100%)



- Red (85%)
- Yellow (79%)
- Blue (100%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5922, 0.2872, 0.2715 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 63.5922, 0.2872, 0.2715 by changing the saturation by 10% instead.

63.5922, 0.2872,
0.2715

63.5922, 0.2872,
0.2715

437.7155, 0.2995,
0.2977

46.3205, 0.2843,
0.2656

110.0234, 0.2915,
0.2805

32.4988, 0.2807,
0.2585

139.9517, 0.2932,
0.2840

21.7428, 0.2760,
0.2495

174.8676, 0.2946,
0.2871

13.6680, 0.2698,
0.2379

215.1556, 0.2959,
0.2897

7.8901, 0.2613,
0.2226

261.1999, 0.2969,
0.2921

4.0247, 0.2487,
0.2014

313.3851, 0.2979,

1.6874, 0.2288,

0.2942

0.1705

372.0955, 0.2987,
0.2960

0.4155, 0.1972,
0.1056

0.0000, 0.0000,
0.0000

63.5922, 0.2872,
0.2715

63.5922, 0.2872,
0.2715

50.0287, 0.2725,
0.2405

79.4436, 0.3002,
0.3002

38.6439, 0.2562,
0.2080

97.6817, 0.3115,
0.3261

29.3219, 0.2388,
0.1751

100.0000, 0.3127,
0.3290

21.9352, 0.2210,
0.1436

■ 16.3418, 0.2036,
0.1156

■ 12.3793, 0.1880,
0.0930

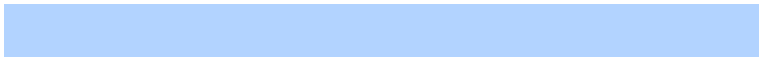
■ 9.8544, 0.1750,
0.0773

■ 8.5637, 0.1661,
0.0688

Harmonies

Analogous

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



63.5922, 0.2592, 0.2704



63.5922, 0.2872, 0.2715



63.5922, 0.3237, 0.2859

Triad

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



63.5922, 0.2872, 0.2715



63.5922, 0.3846, 0.3688



63.5922, 0.2672, 0.3469

Complementary

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



63.5922, 0.2872, 0.2715



94.2508, 0.3348, 0.3838

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.



63.5922, 0.2988, 0.3785



63.5922, 0.2872, 0.2715



63.5922, 0.3671, 0.3896

Square

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



63.5922, 0.2872, 0.2715



63.5922, 0.3818, 0.3400



63.5922, 0.3354, 0.3943



63.5922, 0.2482, 0.3115

Rectangle

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



63.5922, 0.2872, 0.2715



63.5922, 0.3481, 0.3014



63.5922, 0.3354, 0.3943



63.5922, 0.2766, 0.3585

Sweetspot

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



63.5927, 0.2872, 0.2715



88.5908, 0.3063, 0.3140



82.3072, 0.2800, 0.3137



18.7076, 0.3055, 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.



63.5927, 0.2872, 0.2715



58.1500, 0.2818, 0.2599



67.9340, 0.3060, 0.2746



17.6229, 0.3022, 0.3047



4.5385, 0.1675, 0.0696



0.4938, 0.1789, 0.0759

Inverse Universe

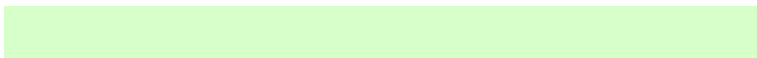
The Inverse Universe completely reimagines the original color for something new.



69.3141, 0.3259, 0.2902



64.7582, 0.3288, 0.2830



89.9707, 0.3178, 0.3868



18.2089, 0.3181, 0.3120



12.9415, 0.4070, 0.2016



1.2787, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 63.5922, 0.2872, 0.2715 looks on a white background.

Color Contrast Check

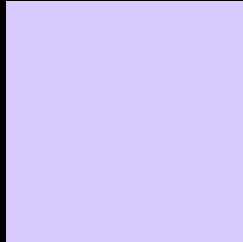
Large Text (above 18pt) WCAG AA × Fail

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 63.5922, 0.2872, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

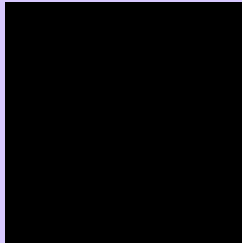
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5922, 0.2872, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 63.5922, 0.2872, 0.2715.

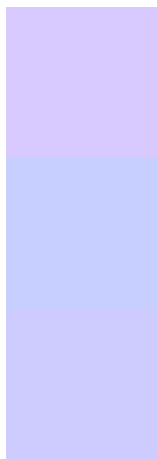


This preview shows how white text looks on a background with the Yxy color 63.5922, 0.2872, 0.2715.

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

63.5922, 0.2872, 0.2715

Protanopia

63.8514, 0.2755, 0.2763

Deuteranopia

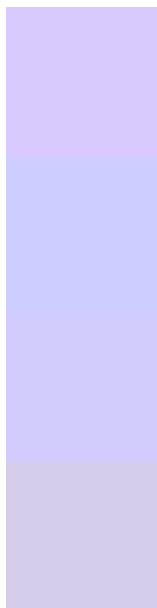
63.4633, 0.2811, 0.2747



Tritanopia

63.8022, 0.3047, 0.3110

Trichromacy



Original Color

63.5922, 0.2872, 0.2715

Protanomaly

63.8618, 0.2799, 0.2748

Deuteranomaly

63.5693, 0.2838, 0.2741

Tritanomaly

63.8069, 0.2981, 0.2960

Monochromacy



Original Color

63.5922, 0.2872, 0.2715

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

64.8593, 0.3027, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5922, 0.2872, 0.2715 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(216, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 201, 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(216, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.5922, 0.2872, 0.2715 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(216, 201, 255) }
```

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

```
.border{ border-color:rgb(216, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 201, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 201, 255); box-shadow:4px 4px 4px 4px rgb(216, 201, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5922, 0.2872, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 201, 255) }
```

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

```
.background{ background-color: rgb(216,  
201, 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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