

Converting Colors

$Y_{xy}(68.4369, 0.2918, 0.2810)$

Have a look what the booklet for
Yxy(68.4369, 0.2918, 0.2810)
contains.

Yxy(68.3505, 0.2916, 0.2808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.3505, 0.2916, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	DED1FF
RGB	222, 209, 255
RGB Percent	87%, 82%, 100%
CMY	0.1294, 0.1804, 0.0000
CMYK	0.13, 0.18, 0.00, 0.00
HSL	257°, 100%, 91%
HSV	257°, 18%, 100%
XYZ	70.9794, 68.3505, 104.0836
YIQ	218.1310, -7.0180, 17.0620

Conversions

Conversions Part 2

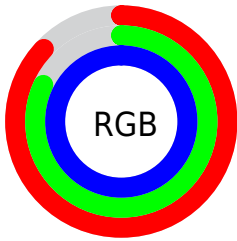
Format	Color
R _Y B	222, 209, 255
Decimal	14602751
CIE Lab	86.18, 13.19, -20.84
CIE LCh	86, 24.667, 302.332
Yxy	68.3505, 0.2916, 0.2808
Android (android.graphics.Color)	4292792831 (0xFFDED1FF)
YUV	218.1310, 18.1764, 3.3931
Hunter-Lab	82.6744, 8.5695, -16.7716

Details

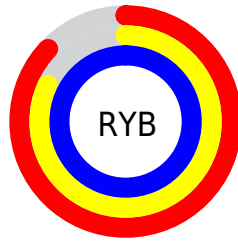
The Yxy color $68.3505, 0.2916, 0.2808$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.9994, 0.3314, 0.3753$, and the grayscale version is $70.0825, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.7354, 0.2869, 0.2709$ is the 20% darker color. If you saturate the color by 10%, you get $54.0909, 0.2775, 0.2505$, and if you desaturate by 10%, it is $84.9277, 0.3040, 0.3086$.

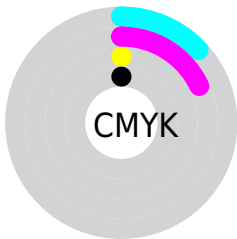
Distribution



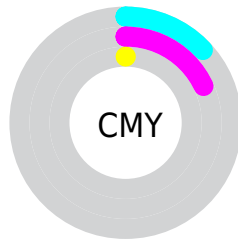
- Red (87%)
- Green (82%)
- Blue (100%)



- Red (87%)
- Yellow (82%)
- Blue (100%)



- Cyan (13%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3505, 0.2916, 0.2808 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 68.3505, 0.2916, 0.2808 by changing the saturation by 10% instead.

68.3505, 0.2916,
0.2808

68.3505, 0.2916,
0.2808

454.7369, 0.3016,
0.3027

50.1829, 0.2893,
0.2759

116.8534, 0.2951,
0.2883

35.5588, 0.2863,
0.2700

147.9576, 0.2965,
0.2912

24.0936, 0.2826,
0.2625

184.1427, 0.2976,
0.2938

15.4031, 0.2777,
0.2530

225.7932, 0.2987,
0.2960

9.1028, 0.2709,
0.2403

273.2935, 0.2995,
0.2980

4.8083, 0.2611,
0.2226

327.0279, 0.3003,

2.1352, 0.2456,

0.2997

0.1967

387.3809, 0.3010,
0.3013

0.6843, 0.2190,
0.1531

0.0000, 0.0000,
0.0000

68.3505, 0.2916,
0.2808

68.3505, 0.2916,
0.2808

54.0909, 0.2775,
0.2505

84.9277, 0.3040,
0.3086

42.0412, 0.2618,
0.2184

100.0000, 0.3127,
0.3290

32.0890, 0.2447,
0.1855

24.1107, 0.2270,
0.1534

■ 17.9696, 0.2094,
0.1241

■ 13.5108, 0.1932,
0.0997

■ 10.5527, 0.1792,
0.0817

■ 8.8524, 0.1683,
0.0708

■ 8.6018, 0.1665,
0.0691

Harmonies

Analogous

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



68.3505, 0.2681, 0.2801



68.3505, 0.2916, 0.2808



68.3505, 0.3219, 0.2929

Triad

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



68.3505, 0.2916, 0.2808



68.3505, 0.3721, 0.3625



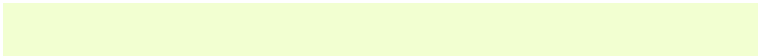
68.3505, 0.2751, 0.3440

Complementary

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



68.3505, 0.2916, 0.2808



94.9994, 0.3314, 0.3753

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.



68.3505, 0.3015, 0.3696



68.3505, 0.2916, 0.2808



68.3505, 0.3580, 0.3792

Square

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



68.3505, 0.2916, 0.2808



68.3505, 0.3696, 0.3385



68.3505, 0.3319, 0.3826



68.3505, 0.2589, 0.3151

Rectangle

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



68.3505, 0.2916, 0.2808



68.3505, 0.3419, 0.3059



68.3505, 0.3319, 0.3826



68.3505, 0.2830, 0.3534

Sweetspot

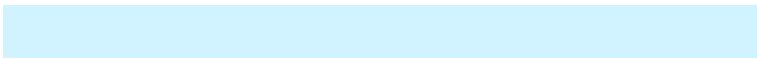
The Sweet Spot groups the original color and five complimentary colors.



68.3514, 0.2916, 0.2808



90.4399, 0.3074, 0.3165



84.7169, 0.2848, 0.3161



19.0808, 0.3066, 0.3147



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.



68.3514, 0.2916, 0.2808



62.4321, 0.2862, 0.2691



72.1016, 0.3072, 0.2830



17.6264, 0.3023, 0.3047



4.5591, 0.1679, 0.0699



0.4962, 0.1794, 0.0762

Inverse Universe

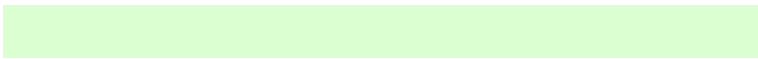
The Inverse Universe completely reimagines the original color for something new.



73.2711, 0.3238, 0.2963



68.3009, 0.3267, 0.2889



91.2975, 0.3171, 0.3774



18.2076, 0.3182, 0.3121



12.9199, 0.4084, 0.2024



1.2767, 0.3961, 0.1955

Previews

White Background



This preview shows how the Yxy color 68.3505, 0.2916, 0.2808 looks on a white background.

Color Contrast Check

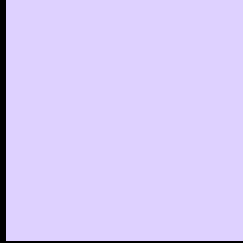
Large Text (above 18pt) WCAG AA × Fail

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 68.3505, 0.2916, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

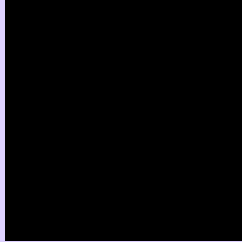
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3505, 0.2916, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 68.3505, 0.2916, 0.2808.

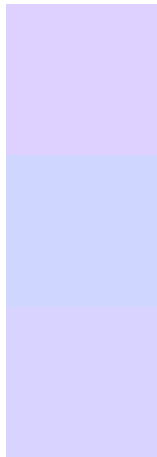


This preview shows how white text looks on a background with the Yxy color 68.3505, 0.2916, 0.2808.

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

68.3505, 0.2916, 0.2808

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.5602, 0.2883, 0.2825



Tritanopia

68.2071, 0.3049, 0.3105

Trichromacy



Original Color

68.3505, 0.2916, 0.2808

Protanomaly

68.3040, 0.2850, 0.2832

Deuteranomaly

68.3733, 0.2896, 0.2816

Tritanomaly

68.3790, 0.2998, 0.2999

Monochromacy



Original Color

68.3505, 0.2916, 0.2808

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.4305, 0.3049, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3505, 0.2916, 0.2808 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, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 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(222, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3505, 0.2916, 0.2808 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, 209, 255) }
```

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

```
.border{ border-color:rgb(222, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3505, 0.2916, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 255) }
```

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

```
.background{ background-color: rgb(222,  
209, 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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