

Converting Colors

$Y_{xy}(65.5708, 0.2788, 0.2507)$

Have a look what the booklet for
Yxy(65.5708, 0.2788, 0.2507)
contains.

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Color

Yxy(64.2165, 0.2921, 0.2713)

Conversions

Conversions Part 1

Format	Color
Hex	DFC8FF
RGB	223, 200, 255
RGB Percent	87%, 78%, 100%
CMY	0.1254, 0.2157, 0.0001
CMYK	0.13, 0.22, 0.00, 0.00
HSL	265°, 100%, 89%
HSV	265°, 22%, 100%
XYZ	69.1398, 64.2165, 103.3429
YIQ	213.1470, -3.9470, 21.9810

Conversions

Conversions Part 2

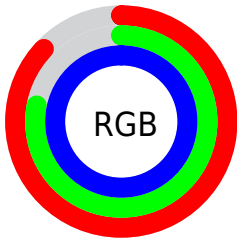
Format	Color
R _Y B	223, 200, 255
Decimal	14665983
CIE Lab	84.08, 18.30, -24.00
CIE LCh	84, 30.183, 307.332
Yxy	64.2165, 0.2921, 0.2713
Android (android.graphics.Color)	4292856063 (0xFFDFC8FF)
YUV	213.1470, 20.6335, 8.6411
Hunter-Lab	80.1352, 13.7714, -20.3661

Details

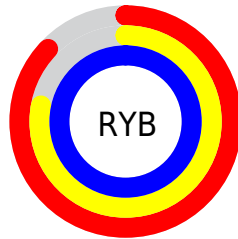
The Yxy color **64.2165, 0.2921, 0.2713** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.8261, 0.3301, 0.3857**, and the grayscale version is **66.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.8505, 0.2864, 0.2584** is the 20% darker color. If you saturate the color by 10%, you get **51.1252, 0.2802, 0.2414**, and if you desaturate by 10%, it is **79.4886, 0.3025, 0.2994**.

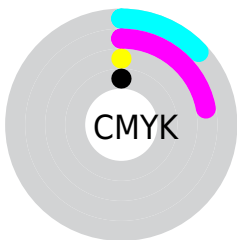
Distribution



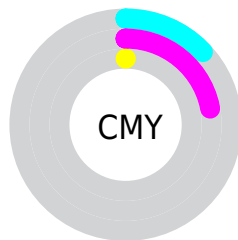
- Red (87%)
- Green (78%)
- Blue (100%)



- Red (87%)
- Yellow (78%)
- Blue (100%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2165, 0.2921, 0.2713 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 64.2165, 0.2921, 0.2713 by changing the saturation by 10% instead.

64.2165, 0.2921,
0.2713

64.2165, 0.2921,
0.2713

439.9710, 0.3021,
0.2975

46.8260, 0.2897,
0.2655

110.9227, 0.2957,
0.2803

32.8982, 0.2867,
0.2583

141.0072, 0.2970,
0.2838

22.0484, 0.2828,
0.2494

176.0918, 0.2982,
0.2868

13.8925, 0.2777,
0.2380

216.5610, 0.2992,
0.2895

8.0459, 0.2705,
0.2229

262.7991, 0.3001,
0.2918

4.1244, 0.2598,
0.2021

315.1906, 0.3008,

1.7434, 0.2427,

0.2939

0.1718

374.1198, 0.3015,
0.2958

0.4515, 0.2154,
0.1110

0.0000, 0.0000,
0.0000

64.2165, 0.2921,
0.2713

64.2165, 0.2921,
0.2713

51.1252, 0.2802,
0.2414

79.4886, 0.3025,
0.2994

40.1038, 0.2669,
0.2104

97.0293, 0.3114,
0.3252

31.0436, 0.2525,
0.1794

99.9989, 0.3127,
0.3290

23.8225, 0.2374,
0.1501

■ 18.3039, 0.2223,
0.1241

■ 14.3315, 0.2079,
0.1030

■ 11.7182, 0.1950,
0.0880

■ 10.3331, 0.1857,
0.0796

Harmonies

Analogous

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



64.2165, 0.2613, 0.2677



64.2165, 0.2921, 0.2713



64.2165, 0.3304, 0.2881

Triad

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



64.2165, 0.2921, 0.2713



64.2165, 0.3853, 0.3743



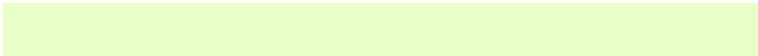
64.2165, 0.2615, 0.3414

Complementary

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



64.2165, 0.2921, 0.2713



92.8261, 0.3301, 0.3857

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.



64.2165, 0.2924, 0.3758



64.2165, 0.2921, 0.2713



64.2165, 0.3643, 0.3937

Square

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



64.2165, 0.2921, 0.2713



64.2165, 0.3861, 0.3453



64.2165, 0.3299, 0.3954



64.2165, 0.2445, 0.3054

Rectangle

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



64.2165, 0.2921, 0.2713



64.2165, 0.3549, 0.3049



64.2165, 0.3299, 0.3954



64.2165, 0.2705, 0.3537

Sweetspot

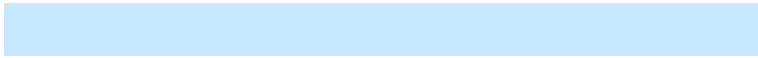
The Sweet Spot groups the original color and five complimentary colors.



64.2192, 0.2921, 0.2713



88.9763, 0.3076, 0.3140



77.2517, 0.2788, 0.3044



18.7986, 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.



64.2192, 0.2921, 0.2713



58.1574, 0.2870, 0.2582



68.9243, 0.3119, 0.2746



17.7495, 0.3045, 0.3049



5.4831, 0.1873, 0.0806



0.5963, 0.1999, 0.0875

Inverse Universe

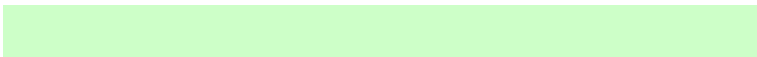
The Inverse Universe completely reimagines the original color for something new.



68.3874, 0.3319, 0.2969



63.0848, 0.3369, 0.2900



88.5982, 0.3127, 0.3889



18.1641, 0.3203, 0.3153



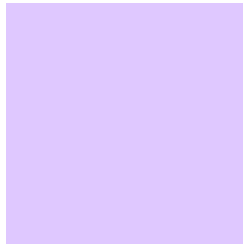
12.2595, 0.4622, 0.2320



1.2155, 0.4416, 0.2207

Previews

White Background



This preview shows how the Yxy color 64.2165, 0.2921, 0.2713 looks on a white background.

Color Contrast Check

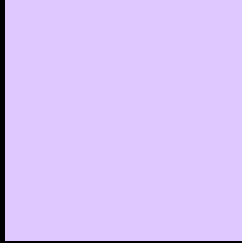
Large Text (above 18pt) WCAG AA × Fail

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 64.2165, 0.2921, 0.2713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

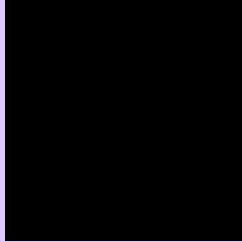
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2165, 0.2921, 0.2713

Background



This preview shows how black text looks on a background with the Yxy color 64.2165, 0.2921, 0.2713.

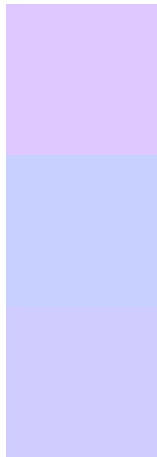


This preview shows how white text looks on a background with the Yxy color 64.2165, 0.2921, 0.2713.

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

64.2165, 0.2921, 0.2713

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.2283, 0.2825, 0.2761



Tritanopia

64.3220, 0.3105, 0.3113

Trichromacy



Original Color

64.2165, 0.2921, 0.2713

Protanomaly

64.2925, 0.2819, 0.2751

Deuteranomaly

64.0138, 0.2858, 0.2744

Tritanomaly

64.3419, 0.3038, 0.2964

Monochromacy



Original Color

64.2165, 0.2921, 0.2713

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4649, 0.3056, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2165, 0.2921, 0.2713 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(223, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.2165, 0.2921, 0.2713 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(223, 200, 255) }
```

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

```
.border{ border-color:rgb(223, 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(223, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2165, 0.2921, 0.2713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 200, 255) }
```

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

```
.background{ background-color: rgb(223,  
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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