

Converting Colors

$Y_{xy}(65.3878, 0.2928, 0.2737)$

Have a look what the booklet for
Yxy(65.3878, 0.2928, 0.2737)
contains.

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Color

Yxy(65.3084, 0.2928, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	E0CAFF
RGB	224, 202, 255
RGB Percent	88%, 79%, 100%
CMY	0.1215, 0.2078, 0.0000
CMYK	0.12, 0.21, 0.00, 0.00
HSL	265°, 100%, 90%
HSV	265°, 21%, 100%
XYZ	69.9170, 65.3084, 103.5622
YIQ	214.6200, -3.9010, 21.1470

Conversions

Conversions Part 2

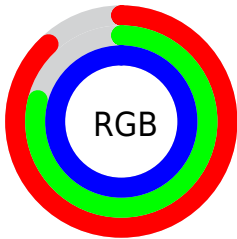
Format	Color
R _Y B	224, 202, 255
Decimal	14732031
CIE Lab	84.64, 17.55, -23.17
CIE LCh	85, 29.064, 307.149
Yxy	65.3084, 0.2928, 0.2735
Android (android.graphics.Color)	4292922111 (0xFFE0CAFF)
YUV	214.6200, 19.9073, 8.2263
Hunter-Lab	80.8136, 13.0079, -19.4103

Details

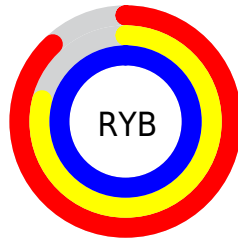
The Yxy color **65.3084, 0.2928, 0.2735** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.1065, 0.3296, 0.3835**, and the grayscale version is **67.5496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.5819, 0.2875, 0.2614** is the 20% darker color. If you saturate the color by 10%, you get **52.0355, 0.2810, 0.2437**, and if you desaturate by 10%, it is **80.7675, 0.3032, 0.3015**.

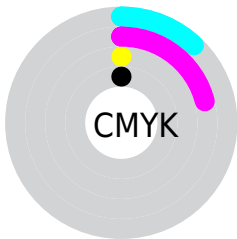
Distribution



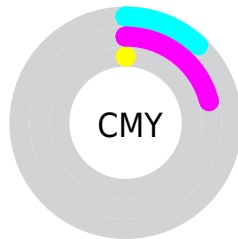
- Red (88%)
- Green (79%)
- Blue (100%)



- Red (88%)
- Yellow (79%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3084, 0.2928, 0.2735 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 65.3084, 0.2928, 0.2735 by changing the saturation by 10% instead.

 65.3084, 0.2928,
0.2735

 65.3084, 0.2928,
0.2735


443.8994, 0.3024,
0.2987

 47.7112, 0.2905,
0.2679


112.4931, 0.2962,
0.2821

 33.5982, 0.2876,
0.2611


142.8494, 0.2975,
0.2855

 22.5851, 0.2839,
0.2525


178.2276, 0.2986,
0.2884

 14.2875, 0.2790,
0.2416

219.0119, 0.2996,
0.2910

 8.3209, 0.2721,
0.2270

265.5869, 0.3005,
0.2932

 4.3009, 0.2620,
0.2070

318.3369, 0.3012,

 1.8433, 0.2458,

0.2952

0.1778

377.6462, 0.3019,
0.2970

0.5139, 0.2192,
0.1225

0.0000, 0.0000,
0.0000

65.3084, 0.2928,
0.2735

65.3084, 0.2928,
0.2735

52.0355, 0.2810,
0.2437

80.7675, 0.3032,
0.3015

40.8461, 0.2677,
0.2127

98.5081, 0.3121,
0.3271

31.6297, 0.2533,
0.1817

100.0000, 0.3127,
0.3290

24.2648, 0.2381,
0.1521

■ 18.6161, 0.2229,
0.1257

■ 14.5289, 0.2084,
0.1042

■ 11.8190, 0.1954,
0.0886

■ 10.2770, 0.1851,
0.0793

Harmonies

Analogous

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



65.3084, 0.2633, 0.2702



65.3084, 0.2928, 0.2735



65.3084, 0.3295, 0.2896

Triad

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



65.3084, 0.2928, 0.2735



65.3084, 0.3823, 0.3724



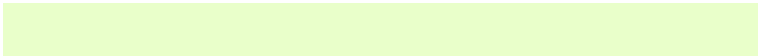
65.3084, 0.2638, 0.3411

Complementary

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



65.3084, 0.2928, 0.2735



93.1065, 0.3296, 0.3835

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.



65.3084, 0.2935, 0.3738



65.3084, 0.2928, 0.2735



65.3084, 0.3623, 0.3909

Square

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



65.3084, 0.2928, 0.2735



65.3084, 0.3829, 0.3446



65.3084, 0.3295, 0.3925



65.3084, 0.2473, 0.3068

Rectangle

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



65.3084, 0.2928, 0.2735



65.3084, 0.3529, 0.3058



65.3084, 0.3295, 0.3925



65.3084, 0.2725, 0.3529

Sweetspot

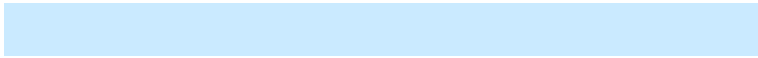
The Sweet Spot groups the original color and five complimentary colors.



65.3085, 0.2928, 0.2735



88.9661, 0.3076, 0.3140



78.5077, 0.2801, 0.3064



18.7962, 0.3070, 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.



65.3085, 0.2928, 0.2735



59.4531, 0.2880, 0.2612



69.7288, 0.3113, 0.2765



17.7461, 0.3044, 0.3049



5.4526, 0.1867, 0.0802



0.5932, 0.1993, 0.0872

Inverse Universe

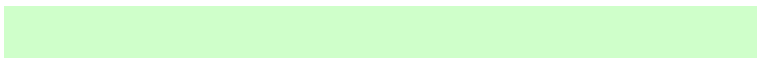
The Inverse Universe completely reimagines the original color for something new.



69.3830, 0.3310, 0.2980



64.2616, 0.3355, 0.2914



89.0926, 0.3133, 0.3864



18.1653, 0.3202, 0.3152



12.2751, 0.4607, 0.2312



1.2170, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 65.3084, 0.2928, 0.2735 looks on a white background.

Color Contrast Check

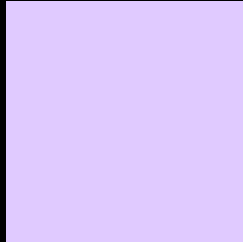
Large Text (above 18pt) WCAG AA × Fail

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 65.3084, 0.2928, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

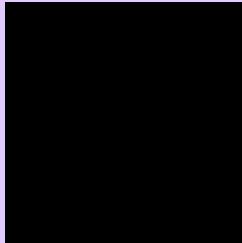
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3084, 0.2928, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 65.3084, 0.2928, 0.2735.

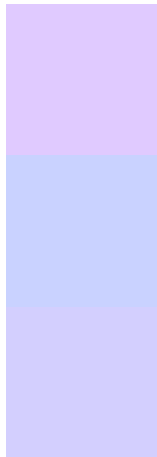


This preview shows how white text looks on a background with the Yxy color 65.3084, 0.2928, 0.2735.

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

65.3084, 0.2928, 0.2735

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.6303, 0.2847, 0.2786



Tritanopia

65.5536, 0.3098, 0.3114

Trichromacy



Original Color

65.3084, 0.2928, 0.2735

Protanomaly

65.4010, 0.2827, 0.2774

Deuteranomaly

65.4173, 0.2880, 0.2769

Tritanomaly

65.5129, 0.3039, 0.2976

Monochromacy



Original Color

65.3084, 0.2928, 0.2735

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.7118, 0.3050, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3084, 0.2928, 0.2735 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(224, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 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(224, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.3084, 0.2928, 0.2735 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(224, 202, 255) }
```

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

```
.border{ border-color:rgb(224, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3084, 0.2928, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 255) }
```

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

```
.background{ background-color: rgb(224,  
202, 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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