

Converting Colors

$Y_{xy}(65.7995, 0.2908, 0.2701)$

Have a look what the booklet for
Yxy(65.7995, 0.2908, 0.2701)
contains.

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Color

Yxy(65.4686, 0.2935, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	E1CAFF
RGB	225, 202, 255
RGB Percent	88%, 79%, 100%
CMY	0.1179, 0.2077, 0.0001
CMYK	0.12, 0.21, 0.00, 0.00
HSL	266°, 100%, 90%
HSV	266°, 21%, 100%
XYZ	70.2047, 65.4686, 103.5251
YIQ	214.9190, -3.3050, 21.3590

Conversions

Conversions Part 2

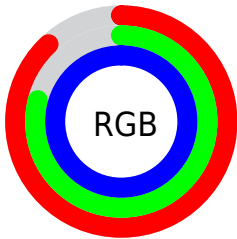
Format	Color
R _Y B	225, 202, 255
Decimal	14797567
CIE Lab	84.72, 17.82, -23.00
CIE LCh	85, 29.093, 307.759
Yxy	65.4686, 0.2935, 0.2737
Android (android.graphics.Color)	4292987647 (0xFFE1CAFF)
YUV	214.9190, 19.7599, 8.8410
Hunter-Lab	80.9127, 13.2802, -19.2207

Details

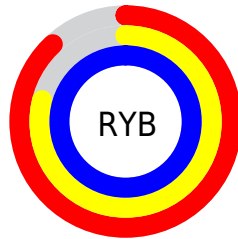
The Yxy color $65.4686, 0.2935, 0.2737$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.9389, 0.3290, 0.3836$, and the grayscale version is $67.7600, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.6920, 0.2884, 0.2616$ is the 20% darker color. If you saturate the color by 10%, you get $52.2496, 0.2820, 0.2440$, and if you desaturate by 10%, it is $80.8668, 0.3035, 0.3016$.

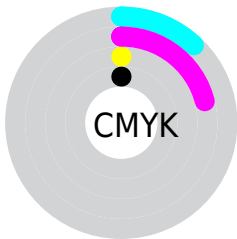
Distribution



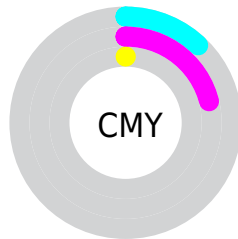
- Red (88%)
- Green (79%)
- Blue (100%)



- 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 65.4686, 0.2935, 0.2737 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 65.4686, 0.2935, 0.2737 by changing the saturation by 10% instead.

65.4686, 0.2935,
0.2737

65.4686, 0.2935,
0.2737

444.4740, 0.3028,
0.2988

47.8412, 0.2913,
0.2681

112.7233, 0.2968,
0.2823

33.7011, 0.2885,
0.2613

143.1193, 0.2981,
0.2856

22.6641, 0.2849,
0.2528

178.5403, 0.2992,
0.2886

14.3457, 0.2802,
0.2419

219.3707, 0.3001,
0.2911

8.3615, 0.2735,
0.2275

265.9949, 0.3009,
0.2934

4.3271, 0.2636,
0.2076

318.7972, 0.3016,

1.8582, 0.2478,

0.2954

0.1786

378.1621, 0.3022,
0.2971

0.5230, 0.2219,
0.1241

0.0000, 0.0000,
0.0000

65.4686, 0.2935,
0.2737

65.4686, 0.2935,
0.2737

52.2496, 0.2820,
0.2440

80.8668, 0.3035,
0.3016

41.0999, 0.2692,
0.2132

98.5311, 0.3121,
0.3271

31.9118, 0.2551,
0.1824

99.9986, 0.3127,
0.3290

24.5646, 0.2404,
0.1531

■ 18.9237, 0.2255,
0.1270

■ 14.8351, 0.2112,
0.1057

■ 12.1151, 0.1983,
0.0902

■ 10.5550, 0.1880,
0.0809

Harmonies

Analogous

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



65.4686, 0.2637, 0.2701



65.4686, 0.2935, 0.2737



65.4686, 0.3302, 0.2900

Triad

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



65.4686, 0.2935, 0.2737



65.4686, 0.3821, 0.3729



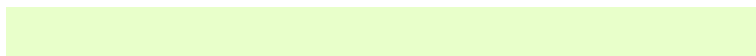
65.4686, 0.2633, 0.3404

Complementary

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



65.4686, 0.2935, 0.2737



92.9389, 0.3290, 0.3836

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.



65.4686, 0.2928, 0.3733



65.4686, 0.2935, 0.2737



65.4686, 0.3618, 0.3912

Square

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



65.4686, 0.2935, 0.2737



65.4686, 0.3831, 0.3452



65.4686, 0.3288, 0.3923



65.4686, 0.2471, 0.3061

Rectangle

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



65.4686, 0.2935, 0.2737



65.4686, 0.3536, 0.3063



65.4686, 0.3288, 0.3923



65.4686, 0.2719, 0.3522

Sweetspot

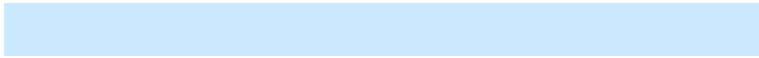
The Sweet Spot groups the original color and five complimentary colors.



65.4713, 0.2935, 0.2737



89.0145, 0.3078, 0.3140



78.0096, 0.2800, 0.3054



18.8076, 0.3072, 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.



65.4713, 0.2935, 0.2737



59.6253, 0.2888, 0.2613



69.9020, 0.3119, 0.2767



17.7621, 0.3047, 0.3049



5.6005, 0.1897, 0.0819



0.6084, 0.2023, 0.0888

Inverse Universe

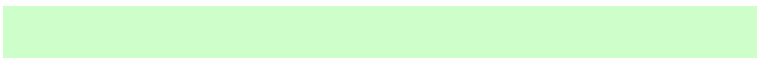
The Inverse Universe completely reimagines the original color for something new.



69.3406, 0.3316, 0.2989



64.1997, 0.3364, 0.2925



88.9570, 0.3127, 0.3864



18.1598, 0.3205, 0.3156



12.2021, 0.4680, 0.2352



1.2100, 0.4465, 0.2234

Previews

White Background



This preview shows how the Yxy color 65.4686, 0.2935, 0.2737 looks on a white background.

Color Contrast Check

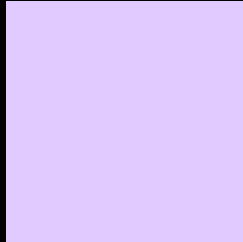
Large Text (above 18pt) WCAG AA × Fail

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 65.4686, 0.2935, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

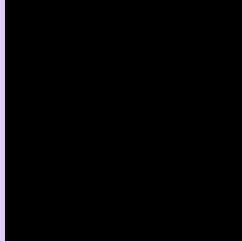
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4686, 0.2935, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 65.4686, 0.2935, 0.2737.

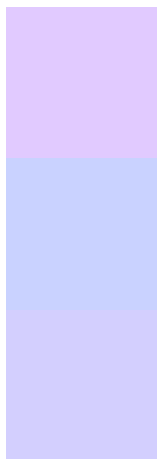


This preview shows how white text looks on a background with the Yxy color 65.4686, 0.2935, 0.2737.

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

65.4686, 0.2935, 0.2737

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.6303, 0.2847, 0.2786



Tritanopia

65.7092, 0.3106, 0.3114

Trichromacy



Original Color

65.4686, 0.2935, 0.2737

Protanomaly

65.5473, 0.2834, 0.2775

Deuteranomaly

65.4173, 0.2880, 0.2769

Tritanomaly

65.6704, 0.3046, 0.2977

Monochromacy



Original Color

65.4686, 0.2935, 0.2737

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.8664, 0.3057, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4686, 0.2935, 0.2737 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(225, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.4686, 0.2935, 0.2737 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(225, 202, 255) }
```

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

```
.border{ border-color:rgb(225, 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(225, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 202, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 202, 255); box-shadow:4px 4px 4px 4px rgb(225, 202, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4686, 0.2935, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 202, 255) }
```

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

```
.background{ background-color: rgb(225,  
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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