

Converting Colors

$Yxy(66.2474, 0.2979, 0.2739)$

Have a look what the booklet for
Yxy(66.2474, 0.2979, 0.2739)
contains.

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Color

Yxy(66.4500, 0.2978, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	E7CAFF
RGB	231, 202, 255
RGB Percent	91%, 79%, 100%
CMY	0.0942, 0.2078, 0.0002
CMYK	0.09, 0.21, 0.00, 0.00
HSL	273°, 100%, 90%
HSV	273°, 21%, 100%
XYZ	72.1167, 66.4500, 103.5981
YIQ	216.7130, 0.2710, 22.6310

Conversions

Conversions Part 2

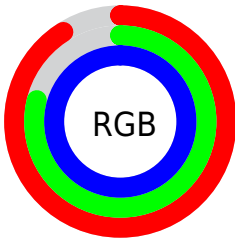
Format	Color
R _Y B	231, 202, 255
Decimal	15190783
CIE Lab	85.23, 19.72, -22.18
CIE LCh	85, 29.684, 311.639
Yxy	66.4500, 0.2978, 0.2744
Android (android.graphics.Color)	4293380863 (0xFFE7CAFF)
YUV	216.7130, 18.8755, 12.5297
Hunter-Lab	81.5169, 15.2615, -18.2886

Details

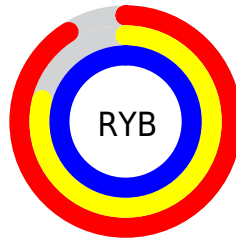
The Yxy color $66.4500, 0.2978, 0.2744$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $91.9264, 0.3251, 0.3843$, and the grayscale version is $69.0497, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.3710, 0.2939, 0.2626$ is the 20% darker color. If you saturate the color by 10%, you get $53.6013, 0.2888, 0.2456$, and if you desaturate by 10%, it is $81.4076, 0.3056, 0.3017$.

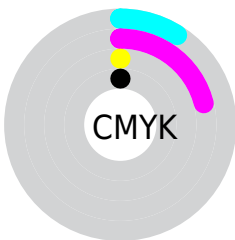
Distribution



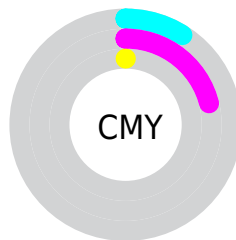
- Red (91%)
- Green (79%)
- Blue (100%)



- Red (91%)
- Yellow (79%)
- Blue (100%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4500, 0.2978, 0.2744 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 66.4500, 0.2978, 0.2744 by changing the saturation by 10% instead.


 66.4500, 0.2978,
0.2744

 66.4500, 0.2978,
0.2744

447.9845, 0.3051,
0.2990

 48.6378, 0.2960,
0.2689


114.1320, 0.3004,
0.2828

 34.3322, 0.2938,
0.2623


144.7705, 0.3014,
0.2861

 23.1490, 0.2910,
0.2540


180.4533, 0.3023,
0.2890

 14.7035, 0.2871,
0.2433

221.5647, 0.3030,
0.2915

 8.6116, 0.2817,
0.2293

268.4891, 0.3036,
0.2937

 4.4887, 0.2736,
0.2100

321.6110, 0.3042,

 1.9505, 0.2605,

0.2957

0.1819

381.3146, 0.3047,
0.2975

0.5785, 0.2383,
0.1318

0.0000, 0.0000,
0.0000

66.4500, 0.2978,
0.2744

66.4500, 0.2978,
0.2744

53.6013, 0.2888,
0.2456

81.4076, 0.3056,
0.3017

42.7535, 0.2786,
0.2162

98.5582, 0.3123,
0.3271

33.8020, 0.2674,
0.1871

99.9974, 0.3127,
0.3290

26.6285, 0.2554,
0.1598

■ 21.1014, 0.2431,
0.1356

■ 17.0696, 0.2310,
0.1160

■ 14.3528, 0.2196,
0.1018

■ 12.7509, 0.2100,
0.0930

Harmonies

Analogous

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



66.4500, 0.2663, 0.2689



66.4500, 0.2978, 0.2744



66.4500, 0.3353, 0.2924

Triad

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



66.4500, 0.2978, 0.2744



66.4500, 0.3815, 0.3767



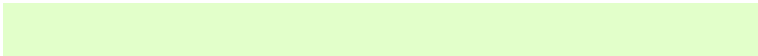
66.4500, 0.2596, 0.3358

Complementary

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



66.4500, 0.2978, 0.2744



91.9264, 0.3251, 0.3843

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.



66.4500, 0.2880, 0.3702



66.4500, 0.2978, 0.2744



66.4500, 0.3587, 0.3934

Square

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



66.4500, 0.2978, 0.2744



66.4500, 0.3853, 0.3493



66.4500, 0.3242, 0.3919



66.4500, 0.2452, 0.3018

Rectangle

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



66.4500, 0.2978, 0.2744



66.4500, 0.3584, 0.3095



66.4500, 0.3242, 0.3919



66.4500, 0.2677, 0.3479

Sweetspot

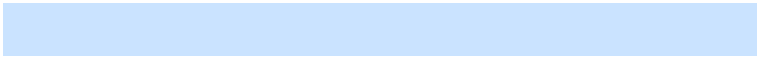
The Sweet Spot groups the original color and five complimentary colors.



66.4528, 0.2978, 0.2744



89.3334, 0.3089, 0.3141



74.5631, 0.2796, 0.2987



18.8830, 0.3085, 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.



66.4528, 0.2978, 0.2744



60.7812, 0.2941, 0.2624



70.6053, 0.3164, 0.2788



17.8676, 0.3065, 0.3050



6.7549, 0.2116, 0.0939



0.7226, 0.2233, 0.1004

Inverse Universe

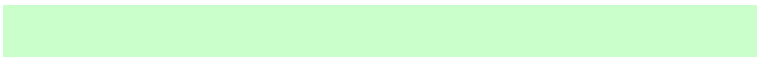
The Inverse Universe completely reimagines the original color for something new.



68.9914, 0.3361, 0.3048



63.8042, 0.3422, 0.2997



88.4024, 0.3090, 0.3849



18.1238, 0.3223, 0.3183



11.7904, 0.5165, 0.2619



1.1697, 0.4885, 0.2465

Previews

White Background



This preview shows how the Yxy color 66.4500, 0.2978, 0.2744 looks on a white background.

Color Contrast Check

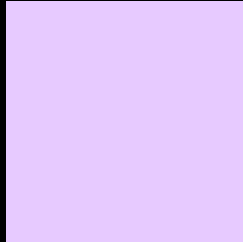
Large Text (above 18pt) WCAG AA × Fail

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 66.4500, 0.2978, 0.2744 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 66.4500, 0.2978, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 66.4500, 0.2978, 0.2744.

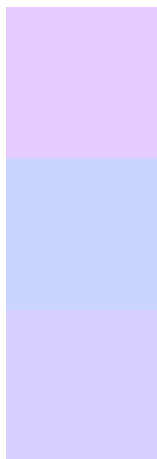


This preview shows how white text looks on a background with the Yxy color 66.4500, 0.2978, 0.2744.

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

66.4500, 0.2978, 0.2744

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

66.5636, 0.2867, 0.2800



Tritanopia

66.6623, 0.3150, 0.3117

Trichromacy



Original Color

66.4500, 0.2978, 0.2744

Protanomaly

66.4779, 0.2855, 0.2789

Deuteranomaly

66.5140, 0.2908, 0.2784

Tritanomaly

66.6348, 0.3090, 0.2981

Monochromacy



Original Color

66.4500, 0.2978, 0.2744

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.3861, 0.3071, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4500, 0.2978, 0.2744 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(231, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.4500, 0.2978, 0.2744 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(231, 202, 255) }
```

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

```
.border{ border-color:rgb(231, 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(231, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4500, 0.2978, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 202, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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