

Converting Colors

$Yxy(74.6808, 0.3033, 0.2897)$

Have a look what the booklet for
Yxy(74.6808, 0.3033, 0.2897)
contains.

Yxy(74.6825, 0.3034, 0.2897)	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(74.6825, 0.3034, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	EFD8FF
RGB	239, 216, 255
RGB Percent	94%, 85%, 100%
CMY	0.0625, 0.1530, 0.0000
CMYK	0.06, 0.15, 0.00, 0.00
HSL	275°, 100%, 92%
HSV	275°, 15%, 100%
XYZ	78.2143, 74.6825, 104.8958
YIQ	227.3230, 1.1890, 17.0050

Conversions

Conversions Part 2

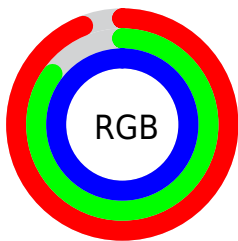
Format	Color
R _Y B	239, 216, 255
Decimal	15718655
CIE _L ab	89.24, 14.91, -16.07
CIE _L Ch	89, 21.922, 312.847
Yxy	74.6825, 0.3034, 0.2897
Android (android.graphics.Color)	4293908735 (0xFFEFD8FF)
YUV	227.3230, 13.6448, 10.2407
Hunter-Lab	86.4190, 10.3196, -11.4731

Details

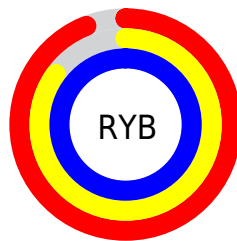
The Yxy color $74.6825, 0.3034, 0.2897$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.6192, 0.3208, 0.3689$, and the grayscale version is $76.9672, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.6342, 0.3013, 0.2812$ is the 20% darker color. If you saturate the color by 10%, you get $60.8561, 0.2960, 0.2619$, and if you desaturate by 10%, it is $90.6472, 0.3098, 0.3159$.

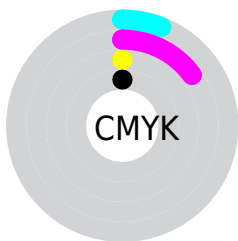
Distribution



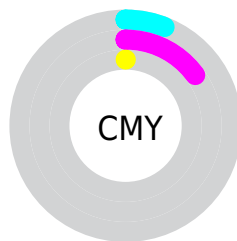
- Red (94%)
- Green (85%)
- Blue (100%)



- Red (94%)
- Yellow (85%)
- Blue (100%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6825, 0.3034, 0.2897 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 74.6825, 0.3034, 0.2897 by changing the saturation by 10% instead.


 74.6825, 0.3034,
0.2897

 74.6825, 0.3034,
0.2897


476.8256, 0.3079,
0.3073

 55.3528, 0.3023,
0.2858


125.8628, 0.3050,
0.2957

 39.6843, 0.3010,
0.2811


158.4823, 0.3056,
0.2981

 27.2925, 0.2993,
0.2752


196.3004, 0.3061,
0.3001

 17.7930, 0.2971,
0.2677

239.7017, 0.3066,
0.3019

 10.8015, 0.2940,
0.2578

289.0704, 0.3069,
0.3035

 5.9335, 0.2895,
0.2442

344.7910, 0.3073,

 2.8047, 0.2822,

0.3049

0.2242

407.2480, 0.3076,
0.3062

■ 1.0306, 0.2691,
0.1926

■ 0.0000, 0.2157,
0.0000

■ 74.6825, 0.3034,
0.2897

■ 74.6825, 0.3034,
0.2897

■ 60.8561, 0.2960,
0.2619

■ 90.6472, 0.3098,
0.3159

■ 49.0636, 0.2874,
0.2332

99.9997, 0.3127,
0.3290

■ 39.2058, 0.2778,
0.2043

■ 31.1713, 0.2674,
0.1766

■ 24.8370, 0.2563,
0.1514

■ 20.0640, 0.2451,
0.1300

■ 16.6906, 0.2342,
0.1134

■ 14.5174, 0.2240,
0.1022

■ 13.7767, 0.2195,
0.0983

Harmonies

Analogous

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



74.6825, 0.2802, 0.2855



74.6825, 0.3034, 0.2897



74.6825, 0.3300, 0.3032

Triad

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



74.6825, 0.3034, 0.2897



74.6825, 0.3612, 0.3643



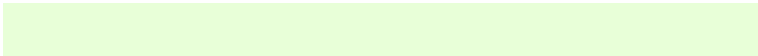
74.6825, 0.2740, 0.3332

Complementary

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



74.6825, 0.3034, 0.2897



93.6192, 0.3208, 0.3689

Split Complementary

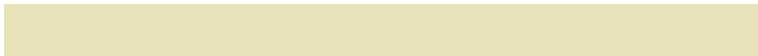
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6825, 0.2944, 0.3570



74.6825, 0.3034, 0.2897



74.6825, 0.3449, 0.3748

Square

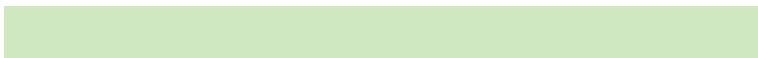
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6825, 0.3034, 0.2897



74.6825, 0.3642, 0.3452



74.6825, 0.3203, 0.3726



74.6825, 0.2638, 0.3093

Rectangle

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



74.6825, 0.3034, 0.2897



74.6825, 0.3460, 0.3160



74.6825, 0.3203, 0.3726



74.6825, 0.2798, 0.3415

Sweetspot

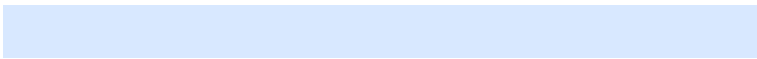
The Sweet Spot groups the original color and five complimentary colors.



74.6857, 0.3034, 0.2897



91.1581, 0.3099, 0.3166



79.6665, 0.2885, 0.3053



19.2552, 0.3095, 0.3149



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.



74.6857, 0.3034, 0.2897



70.7437, 0.3015, 0.2823



77.3775, 0.3167, 0.2941



17.9086, 0.3072, 0.3051



7.2884, 0.2210, 0.0991



0.7736, 0.2321, 0.1052

Inverse Universe

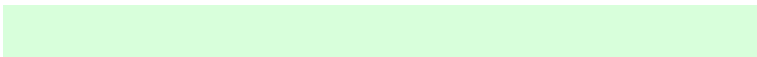
The Inverse Universe completely reimagines the original color for something new.



76.1878, 0.3302, 0.3131



72.5038, 0.3339, 0.3102



91.2416, 0.3090, 0.3666



18.1102, 0.3230, 0.3193



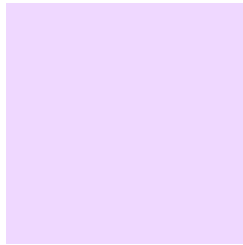
11.6614, 0.5348, 0.2720



1.1565, 0.5050, 0.2556

Previews

White Background



This preview shows how the Yxy color 74.6825, 0.3034, 0.2897 looks on a white background.

Color Contrast Check

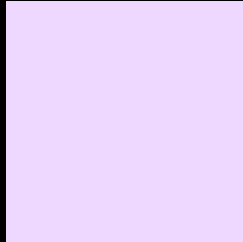
Large Text (above 18pt) WCAG AA × Fail

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 74.6825, 0.3034, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

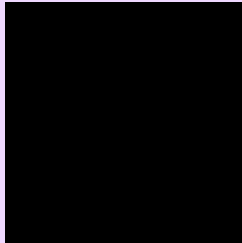
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

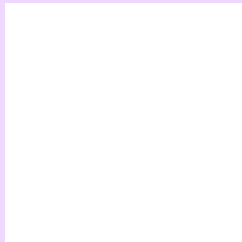
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6825, 0.3034, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 74.6825, 0.3034, 0.2897.

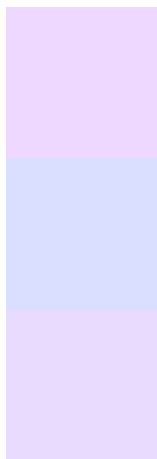


This preview shows how white text looks on a background with the Yxy color 74.6825, 0.3034, 0.2897.

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

74.6825, 0.3034, 0.2897

Protanopia

75.0554, 0.2901, 0.2956

Deuteranopia

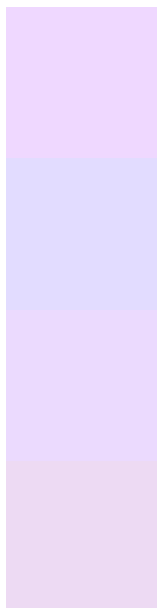
74.9746, 0.2992, 0.2932



Tritanopia

74.5520, 0.3135, 0.3114

Trichromacy



Original Color

74.6825, 0.3034, 0.2897

Protanomaly

74.5752, 0.2946, 0.2929

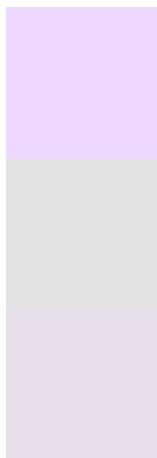
Deuteranomaly

74.9607, 0.3012, 0.2924

Tritanomaly

74.6184, 0.3097, 0.3034

Monochromacy



Original Color

74.6825, 0.3034, 0.2897

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

75.8787, 0.3092, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6825, 0.3034, 0.2897 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(239, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 216, 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(239, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.6825, 0.3034, 0.2897 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(239, 216, 255) }
```

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

```
.border{ border-color:rgb(239, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6825, 0.3034, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 216, 255) }
```

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

```
.background{ background-color: rgb(239,  
216, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor