

Converting Colors

Yxy(84.1896, 0.3045, 0.3072)

Have a look what the booklet for
Yxy(84.1896, 0.3045, 0.3072)
contains.

Yxy(84.1986, 0.3045, 0.3072)	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(84.1986, 0.3045, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	F1E9FF
RGB	241, 233, 255
RGB Percent	95%, 91%, 100%
CMY	0.0549, 0.0862, 0.0002
CMYK	0.05, 0.09, 0.00, 0.00
HSL	262°, 100%, 96%
HSV	262°, 9%, 100%
XYZ	83.4586, 84.1986, 106.4268
YIQ	237.9000, -2.2940, 8.5380

Conversions

Conversions Part 2

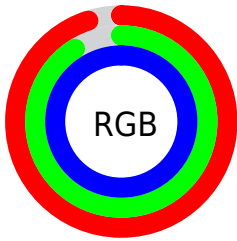
Format	Color
R _Y B	241, 233, 255
Decimal	15854079
CIE Lab	93.54, 6.65, -9.63
CIE LCh	94, 11.703, 304.639
Yxy	84.1986, 0.3045, 0.3072
Android (android.graphics.Color)	4294044159 (0xFF1E9FF)
YUV	237.9000, 8.4303, 2.7187
Hunter-Lab	91.7598, 1.7720, -4.5351

Details

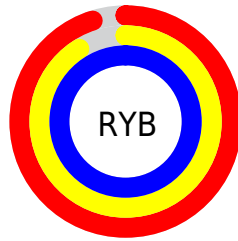
The Yxy color **84.1986, 0.3045, 0.3072** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.1483, 0.3205, 0.3506**, and the grayscale version is **85.3544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8358, 0.3029, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **68.0655, 0.2935, 0.2796**, and if you desaturate by 10%, it is **99.9975, 0.3127, 0.3290**.

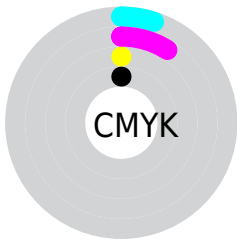
Distribution



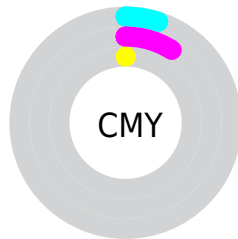
- Red (95%)
- Green (91%)
- Blue (100%)



- Red (95%)
- Yellow (91%)
- Blue (100%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1986, 0.3045, 0.3072 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 84.1986, 0.3045, 0.3072 by changing the saturation by 10% instead.

 84.1986, 0.3045,
0.3072

 84.1986, 0.3045,
0.3072


508.9725, 0.3083,
0.3169

 63.1794, 0.3037,
0.3051


139.2530, 0.3058,
0.3105

 45.9864, 0.3026,
0.3025


174.0569, 0.3063,
0.3118

 32.2351, 0.3013,
0.2993

214.2246, 0.3067,
0.3129

 21.5411, 0.2996,
0.2952

260.1404, 0.3071,
0.3139

 13.5201, 0.2974,
0.2898

312.1887, 0.3074,
0.3148

 7.7877, 0.2942,
0.2823

370.7539, 0.3077,

 3.9594, 0.2894,

0.3156

0.2714

436.2203, 0.3080,
0.3163

■ 1.6509, 0.2812,
0.2539

■ 0.3915, 0.2631,
0.1927

■ 84.1986, 0.3045,
0.3072

■ 84.1986, 0.3045,
0.3072

■ 68.0655, 0.2935,
0.2796

99.9975, 0.3127,
0.3290

■ 54.1728, 0.2809,
0.2497

■ 42.4219, 0.2668,
0.2183

■ 32.7023, 0.2515,
0.1865

■ 24.8934, 0.2353,
0.1557

■ 18.8615, 0.2191,
0.1277

■ 14.4548, 0.2036,
0.1043

■ 11.4945, 0.1899,
0.0871

■ 9.7295, 0.1785,
0.0761

Harmonies

Analogous

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



84.1986, 0.2934, 0.3068



84.1986, 0.3045, 0.3072



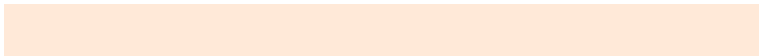
84.1986, 0.3181, 0.3131

Triad

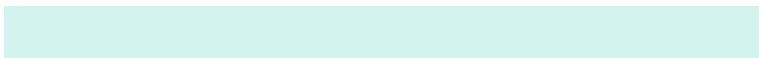
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1986, 0.3045, 0.3072



84.1986, 0.3386, 0.3452



84.1986, 0.2952, 0.3348

Complementary

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



84.1986, 0.3045, 0.3072



97.1483, 0.3205, 0.3506

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.



84.1986, 0.3070, 0.3457



84.1986, 0.3045, 0.3072



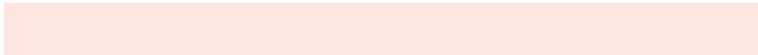
84.1986, 0.3322, 0.3516

Square

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



84.1986, 0.3045, 0.3072



84.1986, 0.3380, 0.3347



84.1986, 0.3206, 0.3519



84.1986, 0.2881, 0.3224

Rectangle

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



84.1986, 0.3045, 0.3072



84.1986, 0.3267, 0.3194



84.1986, 0.3206, 0.3519



84.1986, 0.2987, 0.3388

Sweetspot

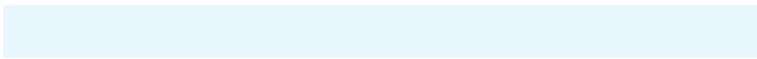
The Sweet Spot groups the original color and five complimentary colors.



84.2022, 0.3045, 0.3072



94.3045, 0.3100, 0.3216



91.2350, 0.2994, 0.3213



19.8671, 0.3092, 0.3196



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.



84.2022, 0.3045, 0.3072



81.8481, 0.3031, 0.3035



86.1352, 0.3115, 0.3077



17.6995, 0.3036, 0.3048



5.0598, 0.1786, 0.0758



0.5518, 0.1910, 0.0826

Inverse Universe

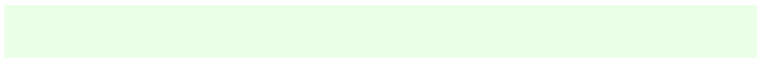
The Inverse Universe completely reimagines the original color for something new.



86.2505, 0.3187, 0.3154



84.2124, 0.3198, 0.3132



95.2639, 0.3137, 0.3510



18.1816, 0.3194, 0.3140



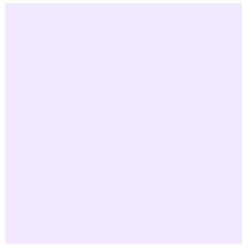
12.5053, 0.4398, 0.2196



1.2386, 0.4226, 0.2101

Previews

White Background



This preview shows how the Yxy color 84.1986, 0.3045, 0.3072 looks on a white background.

Color Contrast Check

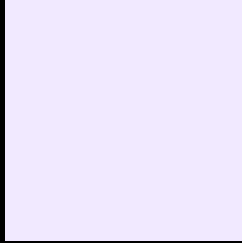
Large Text (above 18pt) WCAG AA × Fail

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 84.1986, 0.3045, 0.3072 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

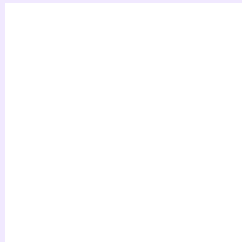
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1986, 0.3045, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 84.1986, 0.3045, 0.3072.

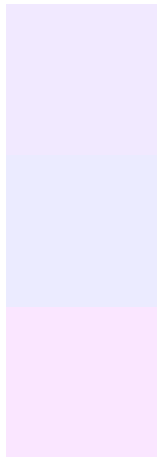


This preview shows how white text looks on a background with the Yxy color 84.1986, 0.3045, 0.3072.

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

84.1986, 0.3045, 0.3072

Protanopia

84.2988, 0.3006, 0.3089

Deuteranopia

84.1376, 0.3105, 0.3046



Tritanopia

84.5747, 0.3063, 0.3111

Trichromacy



Original Color

84.1986, 0.3045, 0.3072

Protanomaly

84.0702, 0.3019, 0.3080

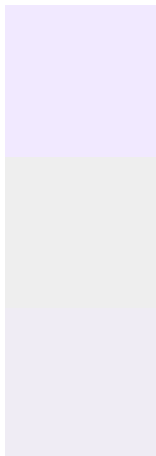
Deuteranomaly

84.1460, 0.3085, 0.3054

Tritanomaly

84.6383, 0.3057, 0.3101

Monochromacy



Original Color

84.1986, 0.3045, 0.3072

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.8733, 0.3098, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1986, 0.3045, 0.3072 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(241, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 233, 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(241, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.1986, 0.3045, 0.3072 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(241, 233, 255) }
```

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

```
.border{ border-color:rgb(241, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1986, 0.3045, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 233, 255) }
```

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

```
.background{ background-color: rgb(241,  
233, 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