

Converting Colors

Yxy(81.3146, 0.2999, 0.3038)

Have a look what the booklet for
Yxy(81.3146, 0.2999, 0.3038)
contains.

Yxy(81.3061, 0.2999, 0.3038)	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(81.3061, 0.2999, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	EAE6FF
RGB	234, 230, 255
RGB Percent	92%, 90%, 100%
CMY	0.0826, 0.0979, 0.0000
CMYK	0.08, 0.10, 0.00, 0.00
HSL	249°, 100%, 95%
HSV	249°, 10%, 100%
XYZ	80.2623, 81.3061, 106.0619
YIQ	234.0460, -5.6410, 8.6230

Conversions

Conversions Part 2

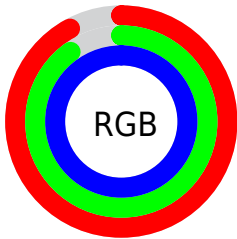
Format	Color
R_{YB}	234, 230, 255
Decimal	15394559
CIE _{Lab}	92.27, 5.93, -11.59
CIE _{LCh}	92, 13.018, 297.097
Yxy	81.3061, 0.2999, 0.3038
Android (android.graphics.Color)	4293584639 (0xFFEAE6FF)
YUV	234.0460, 10.3303, -0.0403
Hunter-Lab	90.1699, 1.0897, -6.6207

Details

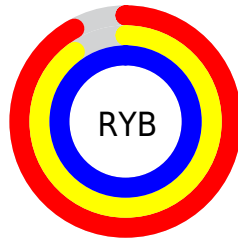
The Yxy color $81.3061, 0.2999, 0.3038$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $97.7516, 0.3248, 0.3534$, and the grayscale version is $82.2358, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.2021, 0.2970, 0.2992$ is the 20% darker color. If you saturate the color by 10%, you get $64.7185, 0.2849, 0.2750$, and if you desaturate by 10%, it is $99.9994, 0.3127, 0.3290$.

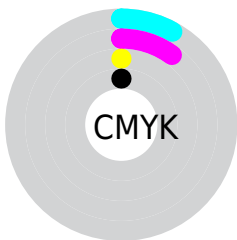
Distribution



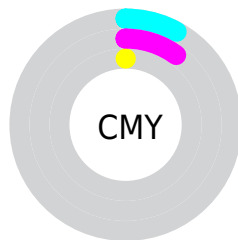
- Red (92%)
- Green (90%)
- Blue (100%)



- Red (92%)
- Yellow (90%)
- Blue (100%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3061, 0.2999, 0.3038 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 81.3061, 0.2999, 0.3038 by changing the saturation by 10% instead.

81.3061, 0.2999,
0.3038

81.3061, 0.2999,
0.3038

499.3237, 0.3058,
0.3151

60.7937, 0.2986,
0.3013

135.2005, 0.3019,
0.3076

44.0587, 0.2970,
0.2983

169.3513, 0.3027,
0.3092

30.7167, 0.2949,
0.2945

208.8170, 0.3034,
0.3105

20.3832, 0.2923,
0.2897

253.9821, 0.3040,
0.3116

12.6739, 0.2888,
0.2833

305.2309, 0.3045,
0.3126

7.2044, 0.2838,
0.2744

362.9479, 0.3050,

3.5902, 0.2762,

0.3135

0.2614

427.5173, 0.3054,
0.3144

■ 1.4471, 0.2634,
0.2403

■ 0.2511, 0.2225,
0.1457

■ 81.3061, 0.2999,
0.3038

■ 81.3061, 0.2999,
0.3038

■ 64.7185, 0.2849,
0.2750

99.9994, 0.3127,
0.3290

■ 50.5394, 0.2680,
0.2434

■ 38.6593, 0.2495,
0.2098

■ 28.9561, 0.2300,
0.1754

■ 21.2962, 0.2103,
0.1421

■ 15.5315, 0.1918,
0.1123

■ 11.4932, 0.1759,
0.0884

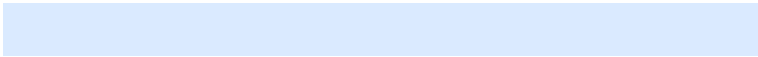
■ 8.9821, 0.1637,
0.0721

■ 7.6912, 0.1557,
0.0632

Harmonies

Analogous

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



81.3061, 0.2886, 0.3050



81.3061, 0.2999, 0.3038



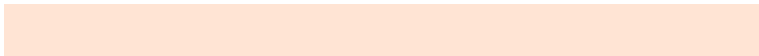
81.3061, 0.3148, 0.3090

Triad

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



81.3061, 0.2999, 0.3038



81.3061, 0.3425, 0.3445



81.3061, 0.2960, 0.3389

Complementary

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



81.3061, 0.2999, 0.3038



97.7516, 0.3248, 0.3534

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.



81.3061, 0.3101, 0.3503



81.3061, 0.2999, 0.3038



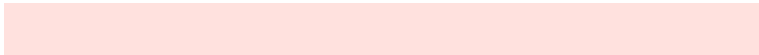
81.3061, 0.3371, 0.3532

Square

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



81.3061, 0.2999, 0.3038



81.3061, 0.3397, 0.3321



81.3061, 0.3252, 0.3555



81.3061, 0.2864, 0.3250

Rectangle

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



81.3061, 0.2999, 0.3038



81.3061, 0.3249, 0.3154



81.3061, 0.3252, 0.3555



81.3061, 0.3003, 0.3432

Sweetspot

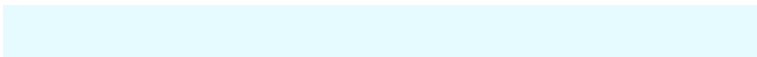
The Sweet Spot groups the original color and five complimentary colors.



81.3095, 0.2999, 0.3038



94.0129, 0.3090, 0.3216



93.1946, 0.2975, 0.3252



19.7886, 0.3080, 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.



81.3095, 0.2999, 0.3038



77.4375, 0.2968, 0.2977



83.4656, 0.3080, 0.3044



17.5145, 0.3003, 0.3046



4.0486, 0.1565, 0.0636



0.4319, 0.1652, 0.0684

Inverse Universe

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



84.8356, 0.3163, 0.3086



81.7012, 0.3172, 0.3039



95.5381, 0.3170, 0.3540



18.2485, 0.3162, 0.3092



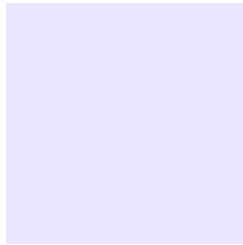
13.6908, 0.3651, 0.1785



1.3456, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 81.3061, 0.2999, 0.3038 looks on a white background.

Color Contrast Check

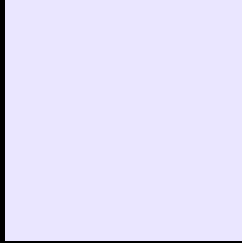
Large Text (above 18pt) WCAG AA × Fail

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 81.3061, 0.2999, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

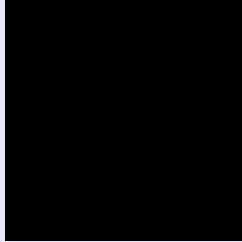
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.3061, 0.2999, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 81.3061, 0.2999, 0.3038.



This preview shows how white text looks on a background with the Yxy color 81.3061, 0.2999, 0.3038.

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

81.3061, 0.2999, 0.3038

Protanopia

81.1948, 0.2973, 0.3046

Deuteranopia

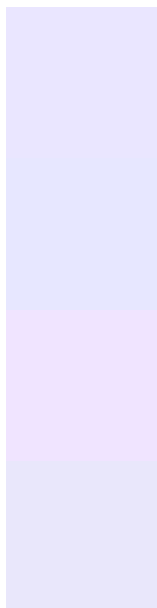
81.3913, 0.3066, 0.3013



Tritanopia

81.3150, 0.3029, 0.3107

Trichromacy



Original Color

81.3061, 0.2999, 0.3038

Protanomaly

81.3608, 0.2980, 0.3047

Deuteranomaly

81.2321, 0.3039, 0.3020

Tritanomaly

81.4405, 0.3017, 0.3087

Monochromacy



Original Color

81.3061, 0.2999, 0.3038

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1811, 0.3078, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3061, 0.2999, 0.3038 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(234, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 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(234, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.3061, 0.2999, 0.3038 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(234, 230, 255) }
```

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

```
.border{ border-color:rgb(234, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(234, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3061, 0.2999, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 255) }
```

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

```
.background{ background-color: rgb(234,  
230, 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