

Converting Colors

$Y_{xy}(82.4710, 0.3054, 0.3037)$

Have a look what the booklet for
Yxy(82.4710, 0.3054, 0.3037)
contains.

Yxy(82.6909, 0.3052, 0.3042)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.6909, 0.3052, 0.3042)

Conversions

Conversions Part 1

Format	Color
Hex	F2E6FF
RGB	242, 230, 255
RGB Percent	95%, 90%, 100%
CMY	0.0510, 0.0980, 0.0001
CMYK	0.05, 0.10, 0.00, 0.00
HSL	269°, 100%, 95%
HSV	269°, 10%, 100%
XYZ	82.9627, 82.6909, 106.1771
YIQ	236.4380, -0.8730, 10.3190

Conversions

Conversions Part 2

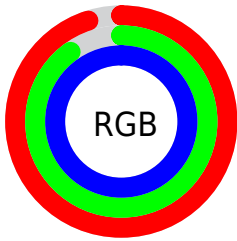
Format	Color
R _Y B	242, 230, 255
Decimal	15918847
CIE _{Lab}	92.88, 8.54, -10.61
CIE _{LCh}	93, 13.616, 308.828
Yxy	82.6909, 0.3052, 0.3042
Android (android.graphics.Color)	4294108927 (0xFFFF2E6FF)
YUV	236.4380, 9.1511, 4.8779
Hunter-Lab	90.9345, 3.7163, -5.5741

Details

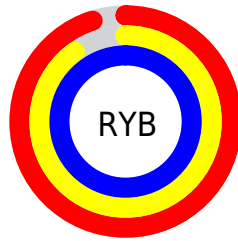
The Yxy color 82.6909, 0.3052, 0.3042 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.2714, 0.3197, 0.3538, and the grayscale version is 84.1648, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 45.1763, 0.3038, 0.2998 is the 20% darker color. If you saturate the color by 10%, you get 67.2651, 0.2962, 0.2768, and if you desaturate by 10%, it is 99.9986, 0.3127, 0.3290.

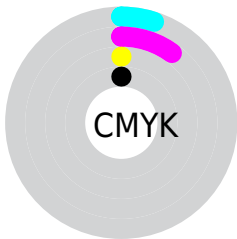
Distribution



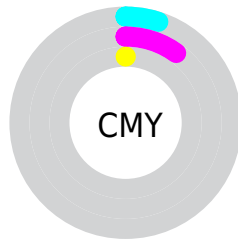
- Red (95%)
- Green (90%)
- Blue (100%)



- Red (95%)
- Yellow (90%)
- Blue (100%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6909, 0.3052, 0.3042 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 82.6909, 0.3052, 0.3042 by changing the saturation by 10% instead.


 82.6909, 0.3052,
0.3042

 82.6909, 0.3052,
0.3042


503.9558, 0.3087,
0.3152

 61.9352, 0.3044,
0.3018


137.1425, 0.3064,
0.3079

 44.9803, 0.3034,
0.2988


171.6071, 0.3069,
0.3094

 31.4419, 0.3022,
0.2952


211.4102, 0.3073,
0.3107

 20.9356, 0.3006,
0.2905

256.9361, 0.3076,
0.3118

 13.0769, 0.2985,
0.2844

308.5692, 0.3079,
0.3128

 7.4815, 0.2954,
0.2759

366.6939, 0.3082,

 3.7650, 0.2907,

0.3137

0.2635

431.6946, 0.3084,
0.3145

■ 1.5430, 0.2826,
0.2437

■ 0.3187, 0.2658,
0.1656

■ 82.6909, 0.3052,
0.3042

■ 82.6909, 0.3052,
0.3042

■ 67.2651, 0.2962,
0.2768

99.9986, 0.3127,
0.3290

■ 53.9880, 0.2859,
0.2476

■ 42.7630, 0.2743,
0.2174

■ 33.4821, 0.2615,
0.1872

■ 26.0268, 0.2479,
0.1585

■ 20.2654, 0.2340,
0.1328

■ 16.0477, 0.2205,
0.1116

■ 13.1952, 0.2080,
0.0960

■ 11.4250, 0.1969,
0.0859

Harmonies

Analogous

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



82.6909, 0.2916, 0.3027



82.6909, 0.3052, 0.3042



82.6909, 0.3211, 0.3119

Triad

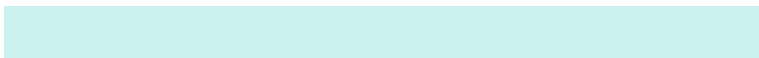
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6909, 0.3052, 0.3042



82.6909, 0.3425, 0.3493



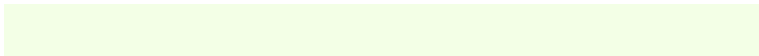
82.6909, 0.2907, 0.3337

Complementary

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



82.6909, 0.3052, 0.3042



96.2714, 0.3197, 0.3538

Split Complementary

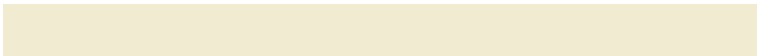
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6909, 0.3039, 0.3471



82.6909, 0.3052, 0.3042



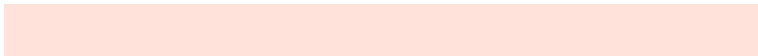
82.6909, 0.3339, 0.3560

Square

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



82.6909, 0.3052, 0.3042



82.6909, 0.3430, 0.3375



82.6909, 0.3197, 0.3554



82.6909, 0.2834, 0.3193

Rectangle

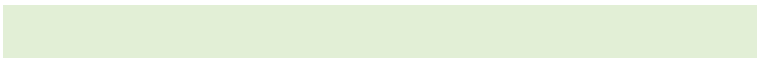
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6909, 0.3052, 0.3042



82.6909, 0.3309, 0.3196



82.6909, 0.3197, 0.3554



82.6909, 0.2945, 0.3385

Sweetspot

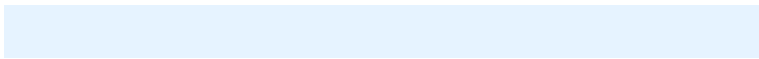
The Sweet Spot groups the original color and five complimentary colors.



82.6944, 0.3052, 0.3042



94.4698, 0.3105, 0.3216



88.3390, 0.2975, 0.3173



19.9116, 0.3099, 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.



82.6944, 0.3052, 0.3042



79.1151, 0.3033, 0.2983



84.9147, 0.3133, 0.3048



17.8059, 0.3054, 0.3050



6.0422, 0.1983, 0.0866



0.6529, 0.2107, 0.0934

Inverse Universe

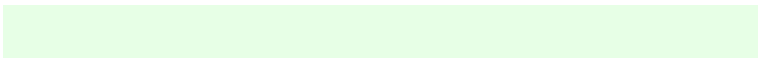
The Inverse Universe completely reimagines the original color for something new.



84.3235, 0.3215, 0.3163



81.0956, 0.3237, 0.3134



94.1824, 0.3120, 0.3543



18.1447, 0.3212, 0.3167



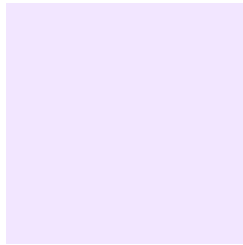
12.0166, 0.4881, 0.2463



1.1921, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 82.6909, 0.3052, 0.3042 looks on a white background.

Color Contrast Check

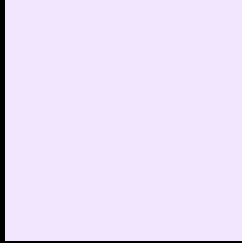
Large Text (above 18pt) WCAG AA × Fail

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 82.6909, 0.3052, 0.3042 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

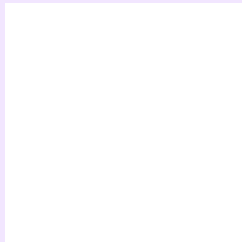
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6909, 0.3052, 0.3042

Background



This preview shows how black text looks on a background with the Yxy color 82.6909, 0.3052, 0.3042.

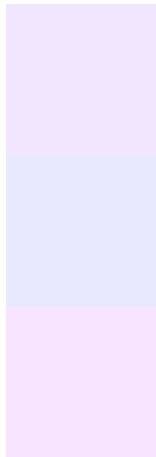


This preview shows how white text looks on a background with the Yxy color 82.6909, 0.3052, 0.3042.

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

82.6909, 0.3052, 0.3042

Protanopia

82.6536, 0.2986, 0.3068

Deuteranopia

82.6633, 0.3092, 0.3025



Tritanopia

82.6922, 0.3082, 0.3110

Trichromacy



Original Color

82.6909, 0.3052, 0.3042

Protanomaly

82.7661, 0.3012, 0.3059

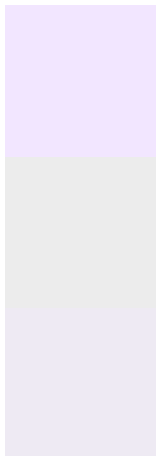
Deuteranomaly

82.8515, 0.3079, 0.3034

Tritanomaly

82.8176, 0.3070, 0.3090

Monochromacy



Original Color

82.6909, 0.3052, 0.3042

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.4938, 0.3098, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6909, 0.3052, 0.3042 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(242, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6909, 0.3052, 0.3042 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(242, 230, 255) }
```

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

```
.border{ border-color:rgb(242, 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(242, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6909, 0.3052, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 230, 255) }
```

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

```
.background{ background-color: rgb(242,  
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