

Converting Colors

$Y_{xy}(58.9168, 0.3083, 0.2529)$

Have a look what the booklet for
Yxy(58.9168, 0.3083, 0.2529)
contains.

Yxy(58.8727, 0.3084, 0.2528)	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(58.8727, 0.3084, 0.2528)

Conversions

Conversions Part 1

Format	Color
Hex	F5B3FF
RGB	245, 179, 255
RGB Percent	96%, 70%, 100%
CMY	0.0393, 0.2980, 0.0000
CMYK	0.04, 0.30, 0.00, 0.00
HSL	292°, 100%, 85%
HSV	292°, 30%, 100%
XYZ	71.8210, 58.8727, 102.1888
YIQ	207.3980, 14.9400, 37.6280

Conversions

Conversions Part 2

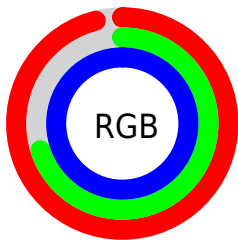
Format	Color
R _Y B	245, 179, 255
Decimal	16102399
CIE _{Lab}	81.22, 36.36, -28.19
CIE _{LCh}	81, 46.006, 322.210
Y _{xy}	58.8727, 0.3084, 0.2528
Android (android.graphics.Color)	4294292479 (0xFFFF5B3FF)
Y _{UV}	207.3980, 23.4678, 32.9770
Hunter-Lab	76.7285, 32.8081, -25.2538

Details

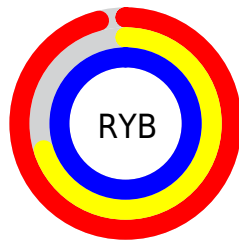
The Yxy color $58.8727, 0.3084, 0.2528$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $85.5986, 0.3146, 0.4150$, and the grayscale version is $62.5063, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8967, 0.3136, 0.3097$, and $29.4358, 0.3066, 0.2359$ is the 20% darker color. If you saturate the color by 10%, you get $48.9809, 0.3062, 0.2272$, and if you desaturate by 10%, it is $70.6700, 0.3102, 0.2789$.

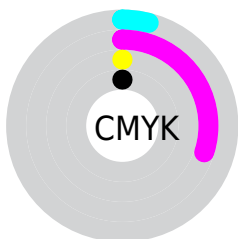
Distribution



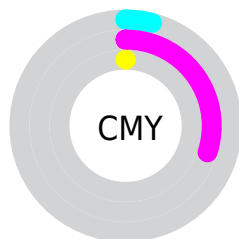
- Red (96%)
- Green (70%)
- Blue (100%)



- Red (96%)
- Yellow (70%)
- Blue (100%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8727, 0.3084, 0.2528 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 58.8727, 0.3084, 0.2528 by changing the saturation by 10% instead.


 58.8727, 0.3084,
0.2528

 58.8727, 0.3084,
0.2528


420.4300, 0.3113,
0.2870

 42.5107, 0.3075,
0.2453

 103.1926, 0.3096,
0.2644

 29.5014, 0.3063,
0.2362


131.9193, 0.3100,
0.2690

 19.4604, 0.3047,
0.2249


165.5363, 0.3103,
0.2730

 12.0034, 0.3023,
0.2105

204.4280, 0.3106,
0.2765

 6.7460, 0.2985,
0.1918

248.9788, 0.3108,
0.2796

 3.3038, 0.2923,
0.1667


299.5732, 0.3110,

 1.2923, 0.2810,

0.2823

0.1316


356.5954, 0.3112,
0.2848

 0.1352, 0.2704,
0.0356


 0.0000, 0.0000,
0.0000


 58.8727, 0.3084,
0.2528


 58.8727, 0.3084,
0.2528

 48.9809, 0.3062,
0.2272


 70.6700, 0.3102,
0.2789

 40.8834, 0.3036,
0.2031

 84.4623, 0.3116,
0.3047

 34.4679, 0.3007,
0.1816

100.0000, 0.3127,
0.3290

 29.6068, 0.2975,
0.1636

■ 26.1540, 0.2942,
0.1500

■ 23.9353, 0.2907,
0.1408

■ 22.6725, 0.2872,
0.1357

■ 22.6506, 0.2872,
0.1356

Harmonies

Analogous

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



58.8727, 0.2544, 0.2369



58.8727, 0.3084, 0.2528



58.8727, 0.3691, 0.2849

Triad

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



58.8727, 0.3084, 0.2528



58.8727, 0.4116, 0.4143



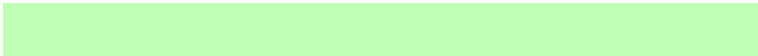
58.8727, 0.2185, 0.3171

Complementary

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



58.8727, 0.3084, 0.2528



85.5986, 0.3146, 0.4150

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.



58.8727, 0.2544, 0.3781



58.8727, 0.3084, 0.2528



58.8727, 0.3657, 0.4369

Square

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



58.8727, 0.3084, 0.2528



58.8727, 0.4314, 0.3734



58.8727, 0.3080, 0.4254



58.8727, 0.2066, 0.2679

Rectangle

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



58.8727, 0.3084, 0.2528



58.8727, 0.4032, 0.3125



58.8727, 0.3080, 0.4254



58.8727, 0.2280, 0.3372

Sweetspot

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



58.8750, 0.3084, 0.2528



85.6519, 0.3117, 0.3067



53.2636, 0.2611, 0.2535



17.8710, 0.3116, 0.3030



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.



58.8750, 0.3084, 0.2528



52.5213, 0.3071, 0.2368



59.0599, 0.3381, 0.2803



18.1717, 0.3117, 0.3054



11.8827, 0.2878, 0.1359



1.1893, 0.2918, 0.1381

Inverse Universe

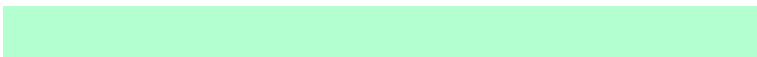
The Inverse Universe completely reimagines the original color for something new.



57.1818, 0.3709, 0.3187



50.6327, 0.3884, 0.3165



85.6044, 0.2939, 0.3835



18.0261, 0.3274, 0.3259



11.1800, 0.6234, 0.3208



1.1000, 0.5981, 0.3069

Previews

White Background



This preview shows how the Yxy color 58.8727, 0.3084, 0.2528 looks on a white background.

Color Contrast Check

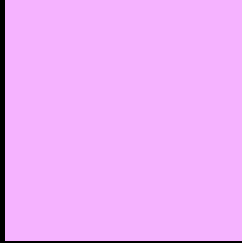
Large Text (above 18pt) WCAG AA × Fail

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 58.8727, 0.3084, 0.2528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

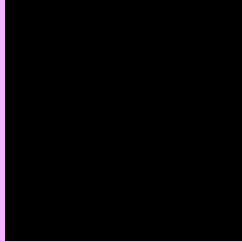
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8727, 0.3084, 0.2528

Background



This preview shows how black text looks on a background with the Yxy color 58.8727, 0.3084, 0.2528.

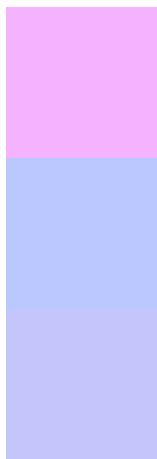


This preview shows how white text looks on a background with the Yxy color 58.8727, 0.3084, 0.2528.

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

58.8727, 0.3084, 0.2528

Protanopia

59.0933, 0.2676, 0.2672

Deuteranopia

59.0890, 0.2757, 0.2699



Tritanopia

58.9320, 0.3416, 0.3128

Trichromacy



Original Color

58.8727, 0.3084, 0.2528



Protanomaly

58.3292, 0.2811, 0.2606



Deuteranomaly

58.5860, 0.2873, 0.2632



Tritanomaly

58.7264, 0.3293, 0.2889

Monochromacy



Original Color

58.8727, 0.3084, 0.2528



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.6865, 0.3118, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8727, 0.3084, 0.2528 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(245, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 179, 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(245, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.8727, 0.3084, 0.2528 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(245, 179, 255) }
```

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

```
.border{ border-color:rgb(245, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8727, 0.3084, 0.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 179, 255) }
```

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

```
.background{ background-color: rgb(245,  
179, 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