

Converting Colors

Yxy(61.6538, 0.2768, 0.2192)

Have a look what the booklet for
Yxy(61.6538, 0.2768, 0.2192)
contains.

Yxy(58.7930, 0.3045, 0.2539)	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(58.7930, 0.3045, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	F0B5FF
RGB	240, 181, 255
RGB Percent	94%, 71%, 100%
CMY	0.0588, 0.2902, 0.0000
CMYK	0.06, 0.29, 0.00, 0.00
HSL	288°, 100%, 85%
HSV	288°, 29%, 100%
XYZ	70.5099, 58.7930, 102.2567
YIQ	207.0770, 11.4100, 35.5220

Conversions

Conversions Part 2

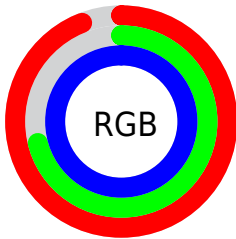
Format	Color
R _Y B	240, 181, 255
Decimal	15775231
CIE Lab	81.18, 33.76, -28.31
CIE LCh	81, 44.057, 320.016
Yxy	58.7930, 0.3045, 0.2539
Android (android.graphics.Color)	4293965311 (0xFFFF0B5FF)
YUV	207.0770, 23.6260, 28.8735
Hunter-Lab	76.6766, 29.9602, -25.3962

Details

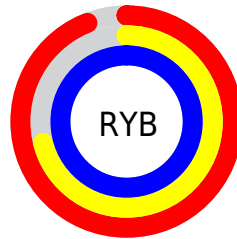
The Yxy color **58.7930, 0.3045, 0.2539** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.5935, 0.3179, 0.4116**, and the grayscale version is **62.2887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **29.3232, 0.3015, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **48.4633, 0.3006, 0.2274**, and if you desaturate by 10%, it is **71.0485, 0.3079, 0.2806**.

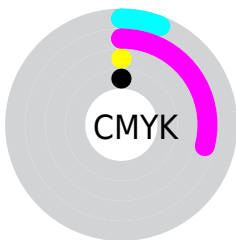
Distribution



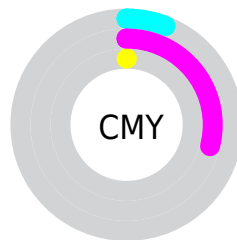
- Red (94%)
- Green (71%)
- Blue (100%)



- Red (94%)
- Yellow (71%)
- Blue (100%)



- Cyan (6%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7930, 0.3045, 0.2539 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 58.7930, 0.3045, 0.2539 by changing the saturation by 10% instead.


 58.7930, 0.3045,
0.2539

 58.7930, 0.3045,
0.2539


420.1344, 0.3092,
0.2877

 42.4465, 0.3032,
0.2465


 103.0768, 0.3063,
0.2654

 29.4511, 0.3015,
0.2374


131.7828, 0.3070,
0.2699

 19.4223, 0.2993,
0.2262


165.3775, 0.3075,
0.2739

 11.9758, 0.2960,
0.2119

204.2452, 0.3080,
0.2773

 6.7272, 0.2912,
0.1933

248.7704, 0.3083,
0.2804

 3.2921, 0.2835,
0.1681


299.3374, 0.3087,


 1.2861, 0.2699,


0.2831


0.1329


356.3306, 0.3090,
0.2855


 0.1304, 0.2555,
0.0350


 0.0000, 0.0000,
0.0000


 58.7930, 0.3045,
0.2539


 58.7930, 0.3045,
0.2539

 48.4633, 0.3006,
0.2274


 71.0485, 0.3079,
0.2806

 39.9522, 0.2961,
0.2020

 85.3223, 0.3107,
0.3066

 33.1470, 0.2912,
0.1789

100.0000, 0.3127,
0.3290

 27.9211, 0.2859,
0.1592

■ 24.1297, 0.2804,
0.1436

■ 21.6016, 0.2749,
0.1327

■ 20.0833, 0.2696,
0.1261

■ 19.9573, 0.2690,
0.1256

Harmonies

Analogous

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



58.7930, 0.2535, 0.2399



58.7930, 0.3045, 0.2539



58.7930, 0.3627, 0.2839

Triad

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



58.7930, 0.3045, 0.2539



58.7930, 0.4101, 0.4088



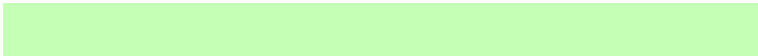
58.7930, 0.2240, 0.3220

Complementary

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



58.7930, 0.3045, 0.2539



86.5935, 0.3179, 0.4116

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.



58.7930, 0.2602, 0.3800



58.7930, 0.3045, 0.2539



58.7930, 0.3676, 0.4317

Square

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



58.7930, 0.3045, 0.2539



58.7930, 0.4266, 0.3689



58.7930, 0.3125, 0.4231



58.7930, 0.2106, 0.2733

Rectangle

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



58.7930, 0.3045, 0.2539



58.7930, 0.3963, 0.3102



58.7930, 0.3125, 0.4231



58.7930, 0.2337, 0.3413

Sweetspot

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



58.7941, 0.3045, 0.2539



85.3494, 0.3107, 0.3066



56.9938, 0.2634, 0.2630



17.7960, 0.3103, 0.3029



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.



58.7941, 0.3045, 0.2539



52.3892, 0.3022, 0.2380



60.2523, 0.3323, 0.2757



18.1034, 0.3105, 0.3053



10.4932, 0.2699, 0.1261



1.0665, 0.2760, 0.1294

Inverse Universe

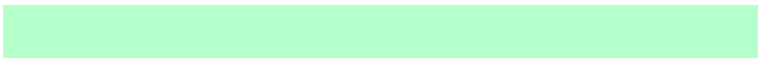
The Inverse Universe completely reimagines the original color for something new.



58.2957, 0.3643, 0.3135



51.8960, 0.3794, 0.3102



85.6072, 0.2976, 0.3891



18.0473, 0.3262, 0.3242



11.2539, 0.6072, 0.3119



1.1105, 0.5774, 0.2954

Previews

White Background



This preview shows how the Yxy color 58.7930, 0.3045, 0.2539 looks on a white background.

Color Contrast Check

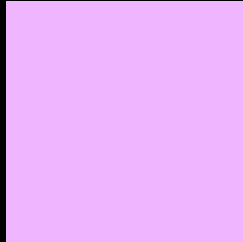
Large Text (above 18pt) WCAG AA × Fail

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 58.7930, 0.3045, 0.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

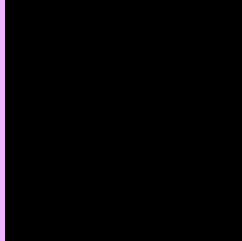
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7930, 0.3045, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 58.7930, 0.3045, 0.2539.



This preview shows how white text looks on a background with the Yxy color 58.7930, 0.3045, 0.2539.

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

58.7930, 0.3045, 0.2539

Protanopia

59.0933, 0.2676, 0.2672

Deuteranopia

59.1522, 0.2751, 0.2689



Tritanopia

58.9930, 0.3364, 0.3137

Trichromacy



Original Color

58.7930, 0.3045, 0.2539



Protanomaly

58.4817, 0.2798, 0.2615



Deuteranomaly

58.7882, 0.2852, 0.2631



Tritanomaly

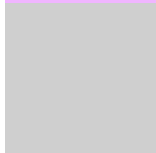
58.7012, 0.3251, 0.2905

Monochromacy



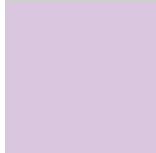
Original Color

58.7930, 0.3045, 0.2539



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.8301, 0.3102, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7930, 0.3045, 0.2539 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(240, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 181, 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(240, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.7930, 0.3045, 0.2539 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(240, 181, 255) }
```

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

```
.border{ border-color:rgb(240, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7930, 0.3045, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 181, 255) }
```

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

```
.background{ background-color: rgb(240,  
181, 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