

Converting Colors

$Yxy(58.6139, 0.3002, 0.2583)$

Have a look what the booklet for
Yxy(58.6139, 0.3002, 0.2583)
contains.

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Color

Yxy(58.4651, 0.3005, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	E8B8FC
RGB	232, 184, 252
RGB Percent	91%, 72%, 99%
CMY	0.0902, 0.2784, 0.0117
CMYK	0.08, 0.27, 0.00, 0.01
HSL	282°, 92%, 85%
HSV	282°, 27%, 99%
XYZ	67.9906, 58.4651, 99.8025
YIQ	206.1040, 6.7800, 31.3240

Conversions

Conversions Part 2

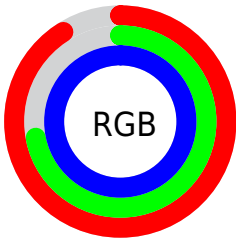
Format	Color
R _Y B	232, 184, 252
Decimal	15251708
CIE Lab	81.00, 29.08, -27.04
CIE LCh	81, 39.712, 317.081
Yxy	58.4651, 0.3005, 0.2584
Android (android.graphics.Color)	4293441788 (0xFFE8B8FC)
YUV	206.1040, 22.6267, 22.7108
Hunter-Lab	76.4625, 24.9132, -23.8644

Details

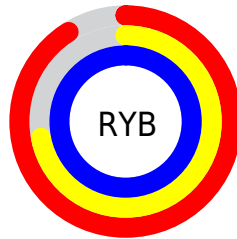
The Yxy color **58.4651, 0.3005, 0.2584** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85.9255, 0.3215, 0.4041**, and the grayscale version is **61.6425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **29.4028, 0.2972, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **47.6988, 0.2945, 0.2308**, and if you desaturate by 10%, it is **71.1535, 0.3057, 0.2856**.

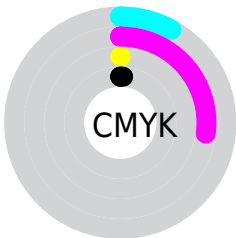
Distribution



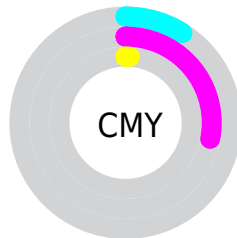
- Red (91%)
- Green (72%)
- Blue (99%)



- Red (91%)
- Yellow (72%)
- Blue (99%)



- Cyan (8%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)




- Cyan (9%)
- Magenta (28%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4651, 0.3005, 0.2584 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 58.4651, 0.3005, 0.2584 by changing the saturation by 10% instead.


 58.4651, 0.3005,
0.2584

 58.4651, 0.3005,
0.2584


418.9168, 0.3070,
0.2904

 42.1827, 0.2988,
0.2513


 102.5998, 0.3029,
0.2694

 29.2444, 0.2967,
0.2426


131.2210, 0.3038,
0.2737

 19.2658, 0.2938,
0.2318


164.7237, 0.3045,
0.2774

 11.8625, 0.2898,
0.2180

203.4926, 0.3052,
0.2806

 6.6501, 0.2840,
0.1998

247.9120, 0.3057,
0.2835

 3.2443, 0.2749,
0.1750


298.3662, 0.3062,

 1.2605, 0.2593,


0.2861


0.1397

355.2396, 0.3066,
0.2883


 0.1103, 0.2425,
0.0328

 0.0000, 0.0000,
0.0000


 58.4651, 0.3005,
0.2584


 58.4651, 0.3005,
0.2584

 47.6988, 0.2945,
0.2308


 71.1535, 0.3057,
0.2856


 38.7476, 0.2877,
0.2038

 85.8490, 0.3101,
0.3117

 31.5052, 0.2803,
0.1784

 99.6656, 0.3140,
0.3319

 25.8509, 0.2724,
0.1560

 99.8088, 0.3144,
0.3319

■ 21.6478, 0.2643,
0.1376

■ 18.7355, 0.2563,
0.1240

■ 16.9094, 0.2486,
0.1151

■ 16.4780, 0.2463,
0.1130

Harmonies

Analogous

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



58.4651, 0.2553, 0.2473



58.4651, 0.3005, 0.2584



58.4651, 0.3530, 0.2848

Triad

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



58.4651, 0.3005, 0.2584



58.4651, 0.4039, 0.3989



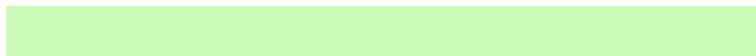
58.4651, 0.2344, 0.3282

Complementary

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



58.4651, 0.3005, 0.2584



85.9255, 0.3215, 0.4041

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.



58.4651, 0.2696, 0.3796



58.4651, 0.3005, 0.2584



58.4651, 0.3675, 0.4209

Square

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



58.4651, 0.3005, 0.2584



58.4651, 0.4155, 0.3622



58.4651, 0.3181, 0.4154



58.4651, 0.2197, 0.2826

Rectangle

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



58.4651, 0.3005, 0.2584



58.4651, 0.3842, 0.3085



58.4651, 0.3181, 0.4154



58.4651, 0.2441, 0.3456

Sweetspot

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



58.4676, 0.3005, 0.2584



86.5473, 0.3097, 0.3091



60.5984, 0.2679, 0.2751



18.0163, 0.3091, 0.3052



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.



58.4676, 0.3005, 0.2584



54.2486, 0.2976, 0.2445



61.1767, 0.3262, 0.2742



17.2532, 0.3091, 0.3053



8.6627, 0.2475, 0.1137



0.8569, 0.2565, 0.1187

Inverse Universe

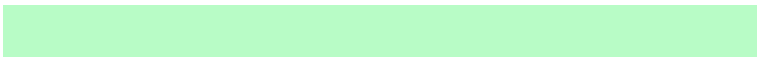
The Inverse Universe completely reimagines the original color for something new.



59.3399, 0.3542, 0.3082



55.3507, 0.3648, 0.3041



83.8756, 0.3017, 0.3909



17.3092, 0.3248, 0.3220



11.0613, 0.5787, 0.2961



1.0421, 0.5450, 0.2776

Previews

White Background



This preview shows how the Yxy color 58.4651, 0.3005, 0.2584 looks on a white background.

Color Contrast Check

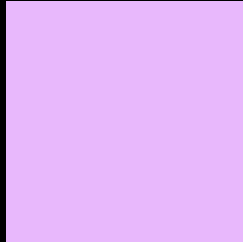
Large Text (above 18pt) WCAG AA × Fail

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 58.4651, 0.3005, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

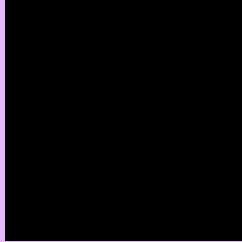
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4651, 0.3005, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 58.4651, 0.3005, 0.2584.

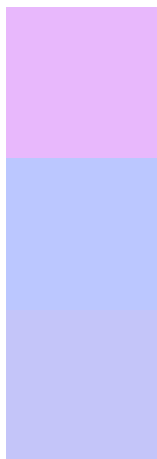


This preview shows how white text looks on a background with the Yxy color 58.4651, 0.3005, 0.2584.

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

58.4651, 0.3005, 0.2584

Protanopia

58.6316, 0.2675, 0.2660

Deuteranopia

58.5078, 0.2769, 0.2707



Tritanopia

58.2118, 0.3281, 0.3123

Trichromacy



Original Color

58.4651, 0.3005, 0.2584



Protanomaly

58.4358, 0.2784, 0.2632



Deuteranomaly

58.1567, 0.2850, 0.2656



Tritanomaly

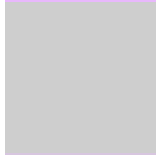
58.2169, 0.3185, 0.2919

Monochromacy



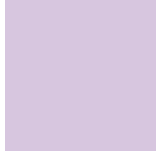
Original Color

58.4651, 0.3005, 0.2584



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

60.1630, 0.3079, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4651, 0.3005, 0.2584 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(232, 184, 252)` looks like.

```
.text, #text, p{  
    color:rgb(232, 184, 252)  
}
```

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(232, 184, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 184, 252) }
```

Border

The CSS property to change the border of an element to Yxy 58.4651, 0.3005, 0.2584 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(232, 184, 252) }
```

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

```
.border{ border-color:rgb(232, 184, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 184, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 184, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 184, 252);  
box-shadow:4px 4px 4px 4px rgb(232, 184,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4651, 0.3005, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 184, 252) }
```

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

```
.background{ background-color: rgb(232,  
184, 252) }
```

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](#).

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