

Converting Colors

$Y_{xy}(58.8136, 0.3249, 0.2616)$

Have a look what the booklet for
Yxy(58.8136, 0.3249, 0.2616)
contains.

Yxy(58.8423, 0.3248, 0.2615)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.8423, 0.3248, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0F4
RGB	255, 176, 244
RGB Percent	100%, 69%, 96%
CMY	0.0001, 0.3097, 0.0432
CMYK	0.00, 0.31, 0.04, 0.00
HSL	308°, 100%, 85%
HSV	308°, 31%, 100%
XYZ	73.0860, 58.8423, 93.0901
YIQ	207.3730, 25.2560, 37.8960

Conversions

Conversions Part 2

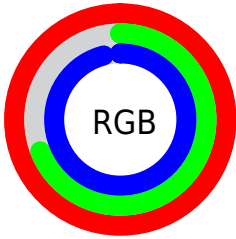
Format	Color
R _Y B	255, 176, 244
Decimal	16756980
CIE Lab	81.20, 39.09, -22.23
CIE LCh	81, 44.965, 330.376
Yxy	58.8423, 0.3248, 0.2615
Android (android.graphics.Color)	4294947060 (0xFFFFB0F4)
YUV	207.3730, 18.0571, 41.7689
Hunter-Lab	76.7087, 35.8296, -18.2554

Details

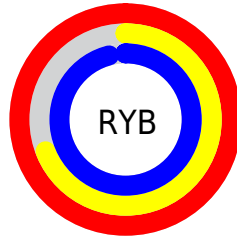
The Yxy color $58.8423, 0.3248, 0.2615$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $84.3225, 0.3026, 0.4075$, and the grayscale version is $62.5204, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $29.4202, 0.3264, 0.2458$ is the 20% darker color. If you saturate the color by 10%, you get $49.5530, 0.3296, 0.2402$, and if you desaturate by 10%, it is $70.0187, 0.3204, 0.2836$.

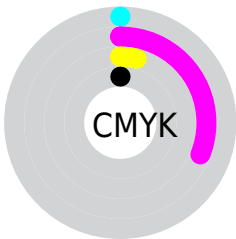
Distribution



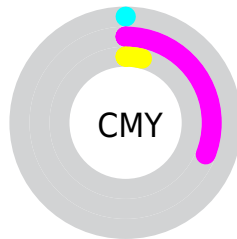
- Red (100%)
- Green (69%)
- Blue (96%)



- Red (100%)
- Yellow (69%)
- Blue (96%)



- Cyan (0%)
- Magenta (31%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8423, 0.3248, 0.2615 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 58.8423, 0.3248, 0.2615 by changing the saturation by 10% instead.


 58.8423, 0.3248,
0.2615

 58.8423, 0.3248,
0.2615

420.3173, 0.3198,
0.2920

 42.4862, 0.3258,
0.2547


 103.1484, 0.3232,
0.2719

 29.4822, 0.3269,
0.2465


131.8672, 0.3225,
0.2760

 19.4459, 0.3283,
0.2363


165.4757, 0.3219,
0.2796

 11.9929, 0.3298,
0.2232

204.3583, 0.3214,
0.2827

 6.7388, 0.3315,
0.2059

248.8993, 0.3210,
0.2854

 3.2993, 0.3333,
0.1823


299.4832, 0.3205,


 1.2899, 0.3343,


0.2878


0.1484


356.4944, 0.3202,
0.2900


 0.1334, 0.3518,
0.0425


 0.0000, 0.0550,
0.0000


 58.8423, 0.3248,
0.2615


 58.8423, 0.3248,
0.2615


 49.5530, 0.3296,
0.2402

 70.0187, 0.3204,
0.2836

 42.0376, 0.3348,
0.2205

 83.1716, 0.3165,
0.3056

 36.1829, 0.3402,
0.2035

 98.3939, 0.3130,
0.3270

 31.8595, 0.3456,
0.1901

 99.9947, 0.3127,
0.3290

■ 28.9187, 0.3510,
0.1810

■ 27.1821, 0.3560,
0.1765

■ 26.3970, 0.3603,
0.1759

Harmonies

Analogous

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



58.8423, 0.2686, 0.2411



58.8423, 0.3248, 0.2615



58.8423, 0.3825, 0.2964

Triad

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



58.8423, 0.3248, 0.2615



58.8423, 0.3993, 0.4210



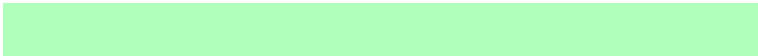
58.8423, 0.2149, 0.3026

Complementary

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



58.8423, 0.3248, 0.2615



84.3225, 0.3026, 0.4075

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.



58.8423, 0.2440, 0.3609



58.8423, 0.3248, 0.2615



58.8423, 0.3498, 0.4351

Square

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



58.8423, 0.3248, 0.2615



58.8423, 0.4268, 0.3845



58.8423, 0.2929, 0.4134



58.8423, 0.2097, 0.2598

Rectangle

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



58.8423, 0.3248, 0.2615



58.8423, 0.4116, 0.3248



58.8423, 0.2929, 0.4134



58.8423, 0.2220, 0.3210

Sweetspot

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



58.8449, 0.3248, 0.2615



86.0176, 0.3158, 0.3099



48.7847, 0.2646, 0.2393



17.9618, 0.3163, 0.3067



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.



58.8449, 0.3248, 0.2615



53.0314, 0.3277, 0.2485



56.7198, 0.3574, 0.2991



18.2544, 0.3159, 0.3088



13.8132, 0.3596, 0.1754



1.3564, 0.3545, 0.1726

Inverse Universe

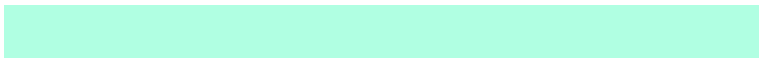
The Inverse Universe completely reimagines the original color for something new.



58.8449, 0.3248, 0.2615



53.0314, 0.3277, 0.2485



86.2271, 0.2824, 0.3613



18.2544, 0.3159, 0.3088



13.8132, 0.3596, 0.1754



1.3564, 0.3545, 0.1726

Previews

White Background



This preview shows how the Yxy color 58.8423, 0.3248, 0.2615 looks on a white background.

Color Contrast Check

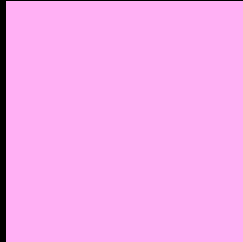
Large Text (above 18pt) WCAG AA × Fail

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 58.8423, 0.3248, 0.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

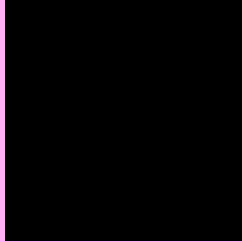
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8423, 0.3248, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 58.8423, 0.3248, 0.2615.



This preview shows how white text looks on a background with the Yxy color 58.8423, 0.3248, 0.2615.

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

58.8423, 0.3248, 0.2615

Protanopia

59.2199, 0.2683, 0.2673

Deuteranopia

58.9203, 0.2874, 0.2807



Tritanopia

58.9612, 0.3557, 0.3143

Trichromacy



Original Color

58.8423, 0.3248, 0.2615



Protanomaly

58.2237, 0.2865, 0.2639



Deuteranomaly

58.2757, 0.3006, 0.2729



Tritanomaly

58.8714, 0.3444, 0.2948

Monochromacy



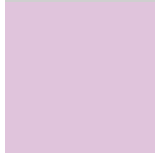
Original Color

58.8423, 0.3248, 0.2615



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.4945, 0.3171, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8423, 0.3248, 0.2615 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(255, 176, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 244)  
}
```

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(255, 176, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 244) }
```

Border

The CSS property to change the border of an element to Yxy 58.8423, 0.3248, 0.2615 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(255, 176, 244) }
```

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

```
.border{ border-color:rgb(255, 176, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8423, 0.3248, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 244) }
```

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

```
.background{ background-color: rgb(255,  
176, 244) }
```

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