

Converting Colors

$Y_{xy}(58.3885, 0.3228, 0.2633)$

Have a look what the booklet for
Yxy(58.3885, 0.3228, 0.2633)
contains.

Yxy(58.3643, 0.3231, 0.2636)	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(58.3643, 0.3231, 0.2636)

Conversions

Conversions Part 1

Format	Color
Hex	FBB1F2
RGB	251, 177, 242
RGB Percent	98%, 69%, 95%
CMY	0.0156, 0.3059, 0.0509
CMYK	0.00, 0.29, 0.04, 0.02
HSL	307°, 90%, 84%
HSV	307°, 29%, 98%
XYZ	71.5383, 58.3643, 91.5097
YIQ	206.5360, 23.2390, 35.9030

Conversions

Conversions Part 2

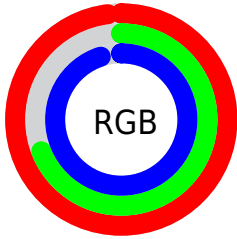
Format	Color
R _Y B	251, 177, 242
Decimal	16495090
CIE Lab	80.94, 36.97, -21.60
CIE LCh	81, 42.817, 329.702
Yxy	58.3643, 0.3231, 0.2636
Android (android.graphics.Color)	4294685170 (0xFFFBB1F2)
YUV	206.5360, 17.4838, 38.9949
Hunter-Lab	76.3965, 33.4549, -17.5415

Details

The Yxy color **58.3643, 0.3231, 0.2636** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.8963, 0.3038, 0.4046**, and the grayscale version is **61.9596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7578, 0.3137, 0.3078**, and **29.0485, 0.3241, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **49.1644, 0.3274, 0.2418**, and if you desaturate by 10%, it is **69.3961, 0.3192, 0.2861**.

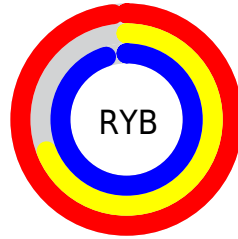
Distribution



Red (98%)

Green (69%)

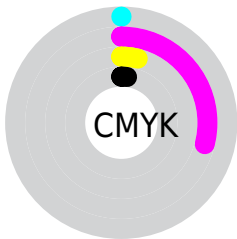
Blue (95%)



Red (98%)

Yellow (69%)

Blue (95%)

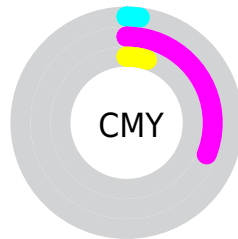


Cyan (0%)

Magenta (29%)

Yellow (4%)

Black (2%)



Cyan (2%)


Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3643, 0.3231, 0.2636 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 58.3643, 0.3231, 0.2636 by changing the saturation by 10% instead.


 58.3643, 0.3231,
0.2636

 58.3643, 0.3231,
0.2636


418.5420, 0.3189,
0.2932

 42.1016, 0.3239,
0.2570

 102.4532, 0.3217,
0.2738

 29.1809, 0.3249,
0.2489


131.0481, 0.3212,
0.2777

 19.2177, 0.3260,
0.2389


164.5226, 0.3207,
0.2812

 11.8277, 0.3272,
0.2260

203.2611, 0.3202,
0.2842

 6.6264, 0.3285,
0.2089

247.6478, 0.3198,
0.2869

 3.2296, 0.3297,
0.1854


298.0673, 0.3195,

 1.2527, 0.3299,

0.2892

0.1515

354.9039, 0.3192,
0.2913


 0.1042, 0.3487,
0.0359


 0.0000, 0.0000,
0.0000


 58.3643, 0.3231,
0.2636


 58.3643, 0.3231,
0.2636


 49.1644, 0.3274,
0.2418


 69.3961, 0.3192,
0.2861


 41.6885, 0.3320,
0.2215

 82.3446, 0.3157,
0.3084

 35.8295, 0.3367,
0.2038

 97.2985, 0.3126,
0.3301

 31.4649, 0.3415,
0.1896

 99.2024, 0.3107,
0.3297

■ 28.4551, 0.3462,
0.1797

■ 99.2522, 0.3103,
0.3290

■ 26.6337, 0.3506,
0.1743

■ 25.7417, 0.3547,
0.1729

■ 25.7055, 0.3549,
0.1729

Harmonies

Analogous

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



58.3643, 0.2695, 0.2444



58.3643, 0.3231, 0.2636



58.3643, 0.3783, 0.2970

Triad

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



58.3643, 0.3231, 0.2636



58.3643, 0.3966, 0.4166



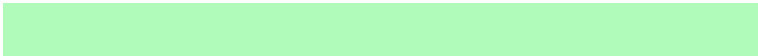
58.3643, 0.2193, 0.3052

Complementary

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



58.3643, 0.3231, 0.2636



81.8963, 0.3038, 0.4046

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.



58.3643, 0.2479, 0.3608



58.3643, 0.3231, 0.2636



58.3643, 0.3497, 0.4302

Square

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



58.3643, 0.3231, 0.2636



58.3643, 0.4220, 0.3817



58.3643, 0.2952, 0.4100



58.3643, 0.2137, 0.2636

Rectangle

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



58.3643, 0.3231, 0.2636



58.3643, 0.4064, 0.3243



58.3643, 0.2952, 0.4100



58.3643, 0.2264, 0.3229

Sweetspot

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



58.3669, 0.3231, 0.2636



86.0429, 0.3155, 0.3095



48.8022, 0.2665, 0.2440



17.9681, 0.3160, 0.3063



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.



58.3669, 0.3231, 0.2636



54.9821, 0.3254, 0.2514



56.3809, 0.3535, 0.2994



17.4861, 0.3157, 0.3084



13.5245, 0.3542, 0.1725



1.2625, 0.3497, 0.1700

Inverse Universe

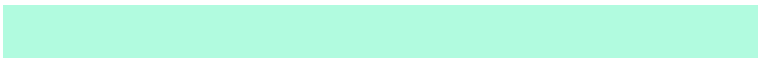
The Inverse Universe completely reimagines the original color for something new.



58.3669, 0.3231, 0.2636



54.9821, 0.3254, 0.2514



83.6596, 0.2843, 0.3609



17.4861, 0.3157, 0.3084



13.5245, 0.3542, 0.1725



1.2625, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 58.3643, 0.3231, 0.2636 looks on a white background.

Color Contrast Check

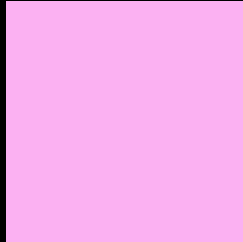
Large Text (above 18pt) WCAG AA × Fail

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 58.3643, 0.3231, 0.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

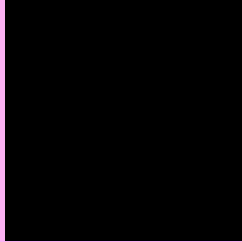
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3643, 0.3231, 0.2636

Background



This preview shows how black text looks on a background with the Yxy color 58.3643, 0.3231, 0.2636.



This preview shows how white text looks on a background with the Yxy color 58.3643, 0.3231, 0.2636.

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

58.3643, 0.3231, 0.2636

Protanopia

58.6316, 0.2675, 0.2660

Deuteranopia

58.8021, 0.2887, 0.2828



Tritanopia

58.2339, 0.3523, 0.3141

Trichromacy



Original Color

58.3643, 0.3231, 0.2636



Protanomaly

57.8654, 0.2857, 0.2646



Deuteranomaly

58.2746, 0.3005, 0.2757



Tritanomaly

58.1364, 0.3411, 0.2944

Monochromacy



Original Color

58.3643, 0.3231, 0.2636



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.3351, 0.3163, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3643, 0.3231, 0.2636 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(251, 177, 242)` looks like.

```
.text, #text, p{  
    color:rgb(251, 177, 242)  
}
```

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(251, 177, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 177, 242) }
```

Border

The CSS property to change the border of an element to Yxy 58.3643, 0.3231, 0.2636 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(251, 177, 242) }
```

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

```
.border{ border-color:rgb(251, 177, 242) }
```

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

Here you see how a box with a 4 pixel rgb(251, 177, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 177, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 177, 242);  
box-shadow:4px 4px 4px 4px rgb(251, 177,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3643, 0.3231, 0.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 177, 242) }
```

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

```
.background{ background-color: rgb(251,  
177, 242) }
```

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