

Converting Colors

$Y_{xy}(80.0489, 0.3930, 0.2718)$

Have a look what the booklet for
Yxy(80.0489, 0.3930, 0.2718)
contains.

Yxy(58.3717, 0.3210, 0.2551)	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(58.3717, 0.3210, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	FFAEF9
RGB	255, 174, 249
RGB Percent	100%, 68%, 98%
CMY	0.0003, 0.3175, 0.0236
CMYK	0.00, 0.32, 0.02, 0.00
HSL	304°, 100%, 84%
HSV	304°, 32%, 100%
XYZ	73.4509, 58.3717, 96.9963
YIQ	206.7690, 24.2010, 40.4970

Conversions

Conversions Part 2

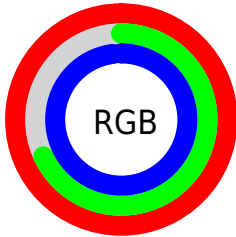
Format	Color
R _Y B	255, 174, 249
Decimal	16756473
CIE Lab	80.95, 40.97, -25.29
CIE LCh	81, 48.147, 328.309
Yxy	58.3717, 0.3210, 0.2551
Android (android.graphics.Color)	4294946553 (0xFFFFAEF9)
YUV	206.7690, 20.8199, 42.2986
Hunter-Lab	76.4014, 37.9042, -21.7914

Details

The Yxy color **58.3717, 0.3210, 0.2551** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.7718, 0.3052, 0.4161**, and the grayscale version is **62.0935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **29.1090, 0.3223, 0.2390** is the 20% darker color. If you saturate the color by 10%, you get **49.3217, 0.3240, 0.2327**, and if you desaturate by 10%, it is **69.2973, 0.3181, 0.2785**.

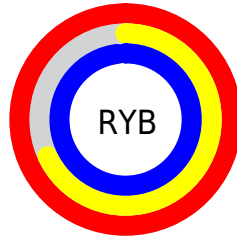
Distribution



Red (100%)

Green (68%)

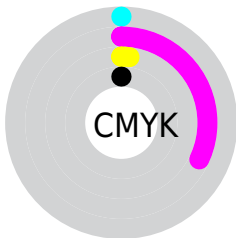
Blue (98%)



Red (100%)

Yellow (68%)

Blue (98%)

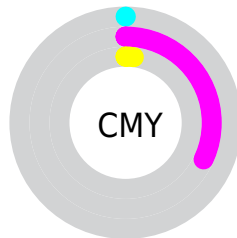


Cyan (0%)

Magenta (32%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3717, 0.3210, 0.2551 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 58.3717, 0.3210, 0.2551 by changing the saturation by 10% instead.


 58.3717, 0.3210,
0.2551

 58.3717, 0.3210,
0.2551


418.5695, 0.3180,
0.2883

 42.1075, 0.3215,
0.2478


 102.4639, 0.3201,
0.2664

 29.1855, 0.3220,
0.2389


131.0608, 0.3197,
0.2709

 19.2212, 0.3226,
0.2279


164.5374, 0.3193,
0.2747

 11.8302, 0.3230,
0.2139

203.2781, 0.3190,
0.2781

 6.6282, 0.3231,
0.1955

247.6672, 0.3187,
0.2811

 3.2307, 0.3225,
0.1707


298.0893, 0.3184,


 1.2533, 0.3195,


0.2838


0.1358


354.9286, 0.3182,
0.2861


 0.1046, 0.3280,
0.0305


 0.0000, 0.0653,
0.0000


 58.3717, 0.3210,
0.2551


 58.3717, 0.3210,
0.2551


 49.3217, 0.3240,
0.2327


 69.2973, 0.3181,
0.2785

 42.0335, 0.3272,
0.2122

 82.1883, 0.3155,
0.3021

 36.3930, 0.3303,
0.1946

 97.1383, 0.3131,
0.3251

 32.2697, 0.3334,
0.1808

99.9859, 0.3127,
0.3290

■ 29.5131, 0.3362,
0.1714

■ 27.9422, 0.3388,
0.1664

■ 27.3118, 0.3407,
0.1651

Harmonies

Analogous

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



58.3717, 0.2617, 0.2347



58.3717, 0.3210, 0.2551



58.3717, 0.3837, 0.2911

Triad

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



58.3717, 0.3210, 0.2551



58.3717, 0.4080, 0.4249



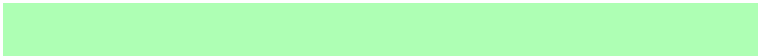
58.3717, 0.2097, 0.3041

Complementary

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



58.3717, 0.3210, 0.2551



83.7718, 0.3052, 0.4161

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.



58.3717, 0.2421, 0.3677



58.3717, 0.3210, 0.2551



58.3717, 0.3560, 0.4433

Square

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



58.3717, 0.3210, 0.2551



58.3717, 0.4357, 0.3843



58.3717, 0.2951, 0.4232



58.3717, 0.2026, 0.2571

Rectangle

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



58.3717, 0.3210, 0.2551



58.3717, 0.4164, 0.3208



58.3717, 0.2951, 0.4232



58.3717, 0.2178, 0.3243

Sweetspot

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



58.3743, 0.3210, 0.2551



84.6755, 0.3151, 0.3061



47.1418, 0.2595, 0.2358



17.6991, 0.3154, 0.3028



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.



58.3743, 0.3210, 0.2551



52.5171, 0.3229, 0.2408



56.1445, 0.3541, 0.2929



18.2759, 0.3149, 0.3073



14.2902, 0.3403, 0.1649



1.3980, 0.3379, 0.1635

Inverse Universe

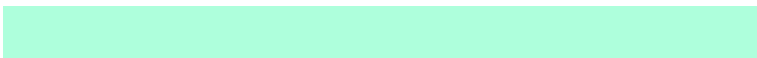
The Inverse Universe completely reimagines the original color for something new.



58.3743, 0.3210, 0.2551



52.5171, 0.3229, 0.2408



85.6374, 0.2844, 0.3685



18.2759, 0.3149, 0.3073



14.2902, 0.3403, 0.1649



1.3980, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 58.3717, 0.3210, 0.2551 looks on a white background.

Color Contrast Check

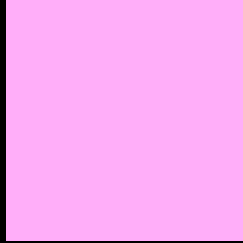
Large Text (above 18pt) WCAG AA × Fail

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 58.3717, 0.3210, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

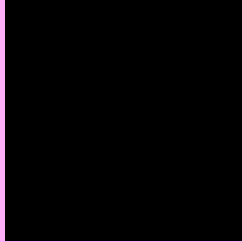
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3717, 0.3210, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 58.3717, 0.3210, 0.2551.



This preview shows how white text looks on a background with the Yxy color 58.3717, 0.3210, 0.2551.

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

58.3717, 0.3210, 0.2551

Protanopia

58.6316, 0.2675, 0.2660

Deuteranopia

58.6672, 0.2814, 0.2752



Tritanopia

58.3147, 0.3559, 0.3143

Trichromacy



Original Color

58.3717, 0.3210, 0.2551



Protanomaly

57.9158, 0.2851, 0.2609



Deuteranomaly

58.1091, 0.2949, 0.2676



Tritanomaly

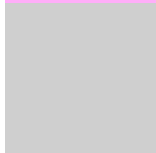
58.1615, 0.3431, 0.2907

Monochromacy



Original Color

58.3717, 0.3210, 0.2551



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.1514, 0.3157, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3717, 0.3210, 0.2551 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, 174, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 249)  
}
```

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, 174, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 249) }
```

Border

The CSS property to change the border of an element to Yxy 58.3717, 0.3210, 0.2551 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, 174, 249) }
```

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

```
.border{ border-color:rgb(255, 174, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3717, 0.3210, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 249) }
```

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

```
.background{ background-color: rgb(255,  
174, 249) }
```

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