

Converting Colors

$Y_{xy}(90.2849, 0.3471, 0.3086)$

Have a look what the booklet for
Yxy(90.2849, 0.3471, 0.3086)
contains.

Yxy(81.8877, 0.3186, 0.3066)	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(81.8877, 0.3186, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1F8
RGB	255, 225, 248
RGB Percent	100%, 88%, 97%
CMY	0.0002, 0.1176, 0.0276
CMYK	0.00, 0.12, 0.03, 0.00
HSL	314°, 100%, 94%
HSV	314°, 12%, 100%
XYZ	85.0927, 81.8877, 100.1028
YIQ	236.5920, 10.4970, 13.5130

Conversions

Conversions Part 2

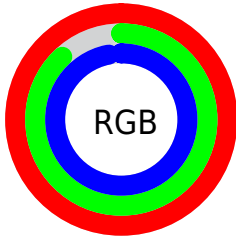
Format	Color
R _{YB}	255, 225, 248
Decimal	16769528
CIE Lab	92.53, 14.12, -7.36
CIE LCh	93, 15.920, 332.462
Yxy	81.8877, 0.3186, 0.3066
Android (android.graphics.Color)	4294959608 (0xFFFE1F8)
YUV	236.5920, 5.6241, 16.1438
Hunter-Lab	90.4918, 9.4892, -2.2428

Details

The Yxy color **81.8877, 0.3186, 0.3066** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.3315, 0.3073, 0.3525**, and the grayscale version is **84.3062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5610, 0.3194, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **68.7546, 0.3245, 0.2868**, and if you desaturate by 10%, it is **97.0979, 0.3135, 0.3258**.

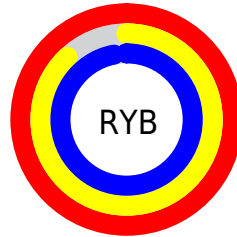
Distribution



Red (100%)

Green (88%)

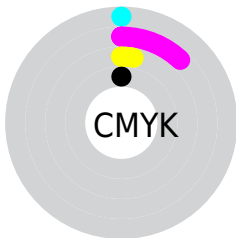
Blue (97%)



Red (100%)

Yellow (88%)

Blue (97%)

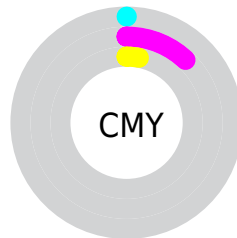


Cyan (0%)

Magenta (12%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (12%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8877, 0.3186, 0.3066 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 81.8877, 0.3186, 0.3066 by changing the saturation by 10% instead.

 81.8877, 0.3186,
0.3066

 81.8877, 0.3186,
0.3066


501.2720, 0.3160,
0.3166

 61.2730, 0.3192,
0.3044

136.0165, 0.3177,
0.3100

 44.4455, 0.3198,
0.3018


170.2994, 0.3174,
0.3113

 31.0209, 0.3207,
0.2984


209.9071, 0.3171,
0.3125

 20.6148, 0.3217,
0.2942

255.2240, 0.3168,
0.3135

 12.8427, 0.3231,
0.2887

306.6346, 0.3166,
0.3144

 7.3203, 0.3249,
0.2810

364.5232, 0.3164,

 3.6632, 0.3276,

0.3152

0.2698

429.2742, 0.3162,
0.3159

■ 1.4870, 0.3316,
0.2518

■ 0.2796, 0.3571,
0.1636

■ 81.8877, 0.3186,
0.3066

■ 81.8877, 0.3186,
0.3066

■ 68.7546, 0.3245,
0.2868

■ 97.0979, 0.3135,
0.3258

■ 57.5970, 0.3313,
0.2668

99.9920, 0.3127,
0.3290

■ 48.3205, 0.3389,
0.2474

■ 40.8190, 0.3474,
0.2295

■ 34.9757, 0.3565,
0.2141

■ 30.6599, 0.3659,
0.2023

■ 27.7209, 0.3754,
0.1949

■ 25.9774, 0.3847,
0.1923

■ 25.2122, 0.3921,
0.1933

Harmonies

Analogous

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



81.8877, 0.3001, 0.2990



81.8877, 0.3186, 0.3066



81.8877, 0.3360, 0.3197

Triad

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



81.8877, 0.3186, 0.3066



81.8877, 0.3403, 0.3597



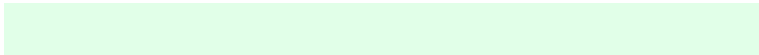
81.8877, 0.2795, 0.3209

Complementary

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



81.8877, 0.3186, 0.3066



93.3315, 0.3073, 0.3525

Split Complementary

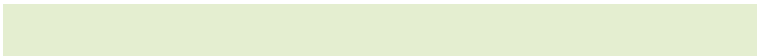
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8877, 0.2897, 0.3381



81.8877, 0.3186, 0.3066



81.8877, 0.3247, 0.3610

Square

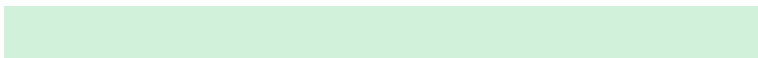
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



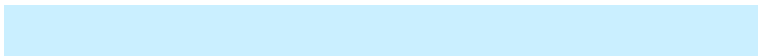
81.8877, 0.3186, 0.3066



81.8877, 0.3487, 0.3501



81.8877, 0.3061, 0.3531



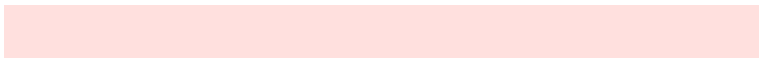
81.8877, 0.2780, 0.3067

Rectangle

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



81.8877, 0.3186, 0.3066



81.8877, 0.3443, 0.3301



81.8877, 0.3061, 0.3531



81.8877, 0.2820, 0.3266

Sweetspot

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



81.8913, 0.3186, 0.3066



93.5115, 0.3146, 0.3215



78.2384, 0.2986, 0.2986



19.7623, 0.3150, 0.3201



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.



81.8913, 0.3186, 0.3066



78.7745, 0.3199, 0.3022



80.9994, 0.3285, 0.3211



18.2236, 0.3174, 0.3110



13.2030, 0.3906, 0.1926



1.3023, 0.3810, 0.1872

Inverse Universe

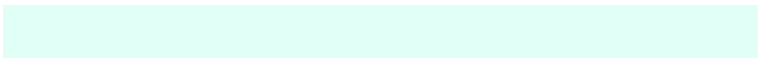
The Inverse Universe completely reimagines the original color for something new.



81.8913, 0.3186, 0.3066



78.7745, 0.3199, 0.3022



94.2185, 0.2990, 0.3370



18.2236, 0.3174, 0.3110



13.2030, 0.3906, 0.1926



1.3023, 0.3810, 0.1872

Previews

White Background



This preview shows how the Yxy color 81.8877, 0.3186, 0.3066 looks on a white background.

Color Contrast Check

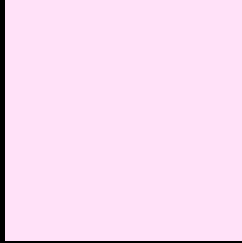
Large Text (above 18pt) WCAG AA × Fail

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 81.8877, 0.3186, 0.3066 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 81.8877, 0.3186, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 81.8877, 0.3186, 0.3066.

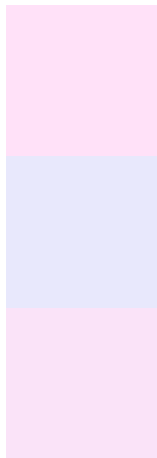


This preview shows how white text looks on a background with the Yxy color 81.8877, 0.3186, 0.3066.

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

81.8877, 0.3186, 0.3066

Protanopia

81.8973, 0.3004, 0.3087

Deuteranopia

82.0395, 0.3151, 0.3083



Tritanopia

81.9346, 0.3211, 0.3123

Trichromacy



Original Color

81.8877, 0.3186, 0.3066

Protanomaly

81.5289, 0.3063, 0.3069

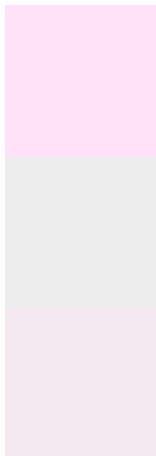
Deuteranomaly

81.8655, 0.3165, 0.3074

Tritanomaly

82.0561, 0.3198, 0.3104

Monochromacy



Original Color

81.8877, 0.3186, 0.3066

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

83.8618, 0.3151, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8877, 0.3186, 0.3066 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, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 248)  
}
```

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, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 248) }
```

Border

The CSS property to change the border of an element to Yxy 81.8877, 0.3186, 0.3066 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, 225, 248) }
```

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

```
.border{ border-color:rgb(255, 225, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8877, 0.3186, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 248) }
```

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

```
.background{ background-color: rgb(255,  
225, 248) }
```

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