

Converting Colors

$Y_{xy}(86.1521, 0.3465, 0.3224)$

Have a look what the booklet for
Yxy(86.1521, 0.3465, 0.3224)
contains.

Yxy(80.9936, 0.3286, 0.3211)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.9936, 0.3286, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1E9
RGB	255, 225, 233
RGB Percent	100%, 88%, 91%
CMY	0.0000, 0.1177, 0.0863
CMYK	0.00, 0.12, 0.09, 0.00
HSL	344°, 100%, 94%
HSV	344°, 12%, 100%
XYZ	82.8854, 80.9936, 88.3589
YIQ	234.8820, 15.3120, 8.8480

Conversions

Conversions Part 2

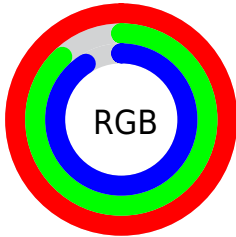
Format	Color
R _Y B	255, 225, 233
Decimal	16769513
CIE Lab	92.13, 11.62, -0.12
CIE LCh	92, 11.622, 359.407
Yxy	80.9936, 0.3286, 0.3211
Android (android.graphics.Color)	4294959593 (0xFFFFE1E9)
YUV	234.8820, -0.9278, 17.6435
Hunter-Lab	89.9964, 6.9021, 4.7863

Details

The Yxy color **80.9936, 0.3286, 0.3211** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.2405, 0.2990, 0.3371**, and the grayscale version is **82.9770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9295, 0.3324, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **67.2042, 0.3455, 0.3139**, and if you desaturate by 10%, it is **96.9454, 0.3149, 0.3279**.

Distribution



Red (100%)

Green (88%)

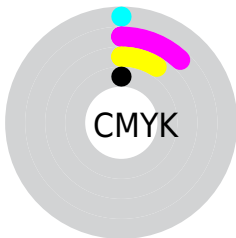
Blue (91%)



Red (100%)

Yellow (88%)

Blue (91%)

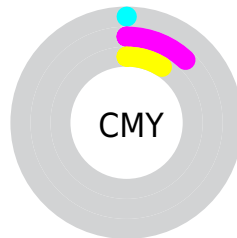


Cyan (0%)

Magenta (12%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9936, 0.3286, 0.3211 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 80.9936, 0.3286, 0.3211 by changing the saturation by 10% instead.


 80.9936, 0.3286,
0.3211

 80.9936, 0.3286,
0.3211


498.2751, 0.3214,
0.3247

 60.5363, 0.3302,
0.3203


134.7618, 0.3261,
0.3223

 43.8511, 0.3322,
0.3193


168.8415, 0.3252,
0.3228

 30.5534, 0.3347,
0.3181


208.2308, 0.3243,
0.3232

 20.2591, 0.3379,
0.3165

253.3141, 0.3236,
0.3236

 12.5835, 0.3423,
0.3143

304.4757, 0.3229,
0.3239

 7.1424, 0.3484,
0.3112

362.1002, 0.3224,

 3.5513, 0.3577,

0.3242

0.3066

426.5718, 0.3218,
0.3245

■ 1.4259, 0.3736,
0.2987

■ 0.2357, 0.5035,
0.2337

■ 80.9936, 0.3286,
0.3211

■ 80.9936, 0.3286,
0.3211

■ 67.2042, 0.3455,
0.3139

■ 96.9454, 0.3149,
0.3279

■ 55.4970, 0.3662,
0.3066

100.0000, 0.3127,
0.3290

■ 45.7659, 0.3915,
0.2994

■ 37.9008, 0.4216,
0.2931

■ 31.7808, 0.4562,
0.2885

■ 27.2708, 0.4942,
0.2867

■ 24.2155, 0.5328,
0.2890

■ 22.4282, 0.5680,
0.2957

■ 21.6787, 0.5922,
0.3036

Harmonies

Analogous

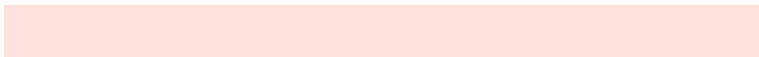
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9936, 0.3157, 0.3116



80.9936, 0.3286, 0.3211



80.9936, 0.3373, 0.3327

Triad

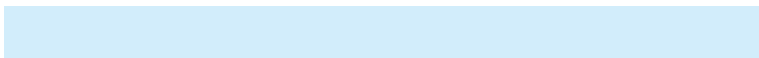
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9936, 0.3286, 0.3211



80.9936, 0.3229, 0.3525



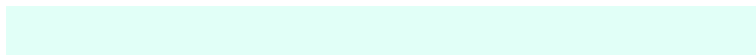
80.9936, 0.2869, 0.3136

Complementary

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



80.9936, 0.3286, 0.3211



94.2405, 0.2990, 0.3371

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.



80.9936, 0.2888, 0.3245



80.9936, 0.3286, 0.3211



80.9936, 0.3093, 0.3473

Square

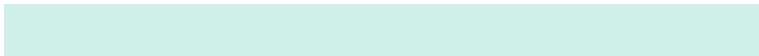
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



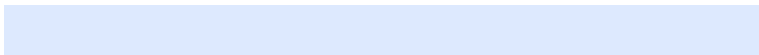
80.9936, 0.3286, 0.3211



80.9936, 0.3339, 0.3510



80.9936, 0.2969, 0.3369



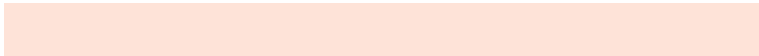
80.9936, 0.2918, 0.3072

Rectangle

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



80.9936, 0.3286, 0.3211



80.9936, 0.3394, 0.3403



80.9936, 0.2969, 0.3369



80.9936, 0.2868, 0.3169

Sweetspot

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



80.9888, 0.3286, 0.3211



93.1917, 0.3177, 0.3264



80.7482, 0.3083, 0.2994



19.6814, 0.3186, 0.3259



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

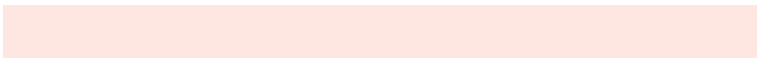
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9888, 0.3286, 0.3211



77.7277, 0.3320, 0.3195



84.1237, 0.3332, 0.3355



18.0667, 0.3252, 0.3227



11.3486, 0.5881, 0.3013



1.1222, 0.5563, 0.2838

Inverse Universe

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



80.9888, 0.3286, 0.3211



77.7277, 0.3320, 0.3195



90.6674, 0.2945, 0.3224



18.0667, 0.3252, 0.3227



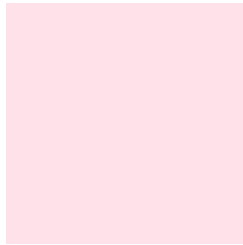
11.3486, 0.5881, 0.3013



1.1222, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 80.9936, 0.3286, 0.3211 looks on a white background.

Color Contrast Check

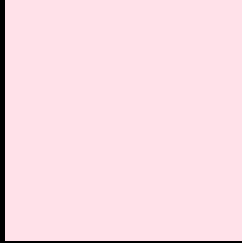
Large Text (above 18pt) WCAG AA × Fail

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 80.9936, 0.3286, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

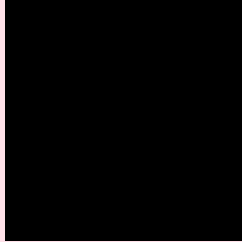
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9936, 0.3286, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 80.9936, 0.3286, 0.3211.

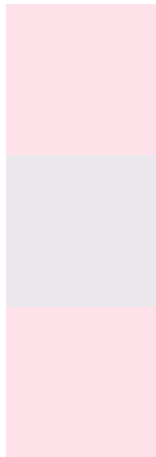


This preview shows how white text looks on a background with the Yxy color 80.9936, 0.3286, 0.3211.

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

80.9936, 0.3286, 0.3211

Protanopia

80.9284, 0.3116, 0.3228

Deuteranopia

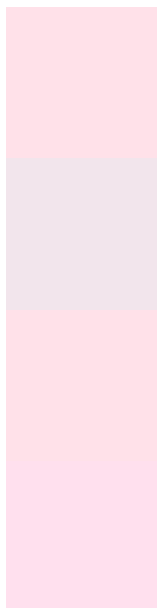
80.9936, 0.3286, 0.3211



Tritanopia

80.9222, 0.3233, 0.3123

Trichromacy



Original Color

80.9936, 0.3286, 0.3211

Protanomaly

80.9720, 0.3172, 0.3219

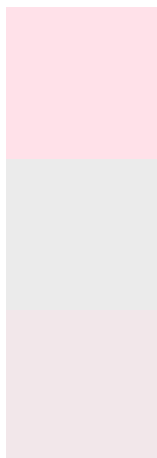
Deuteranomaly

80.9936, 0.3286, 0.3211

Tritanomaly

80.7444, 0.3253, 0.3152

Monochromacy



Original Color

80.9936, 0.3286, 0.3211

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.9696, 0.3183, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9936, 0.3286, 0.3211 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.9936, 0.3286, 0.3211 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, 233) }
```

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

```
.border{ border-color:rgb(255, 225, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9936, 0.3286, 0.3211 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
225, 233) }
```

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