

Converting Colors

$Y_{xy}(80.1493, 0.3182, 0.3024)$

Have a look what the booklet for
Yxy(80.1493, 0.3182, 0.3024)
contains.

Yxy(80.3421, 0.3181, 0.3026)	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(80.3421, 0.3181, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEF9
RGB	255, 222, 249
RGB Percent	100%, 87%, 98%
CMY	0.0001, 0.1294, 0.0234
CMYK	0.00, 0.13, 0.02, 0.00
HSL	311°, 100%, 94%
HSV	311°, 13%, 100%
XYZ	84.4574, 80.3421, 100.7064
YIQ	234.9450, 11.0010, 15.3930

Conversions

Conversions Part 2

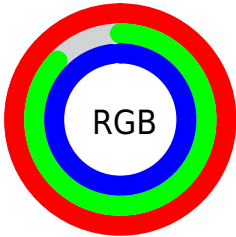
Format	Color
R _Y B	255, 222, 249
Decimal	16768761
CIE Lab	91.84, 15.88, -8.94
CIE LCh	92, 18.217, 330.629
Yxy	80.3421, 0.3181, 0.3026
Android (android.graphics.Color)	4294958841 (0xFFFFDEF9)
YUV	234.9450, 6.9291, 17.5882
Hunter-Lab	89.6338, 11.3326, -3.8706

Details

The Yxy color $80.3421, 0.3181, 0.3026$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.6348, 0.3078, 0.3569$, and the grayscale version is $82.9755, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4935, 0.3188, 0.2967$ is the 20% darker color. If you saturate the color by 10%, you get $67.5257, 0.3230, 0.2815$, and if you desaturate by 10%, it is $95.2206, 0.3138, 0.3232$.

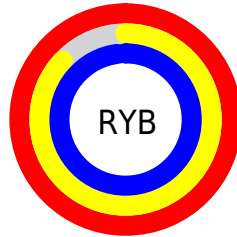
Distribution



Red (100%)

Green (87%)

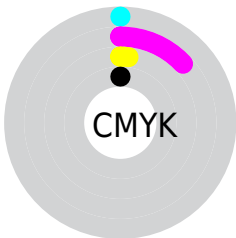
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

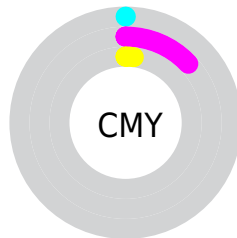


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3421, 0.3181, 0.3026 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 80.3421, 0.3181, 0.3026 by changing the saturation by 10% instead.


 80.3421, 0.3181,
0.3026

 80.3421, 0.3181,
0.3026


496.0850, 0.3158,
0.3143

 59.9999, 0.3186,
0.3000

133.8466, 0.3173,
0.3066

 43.4186, 0.3192,
0.2969


167.7777, 0.3170,
0.3082

 30.2137, 0.3199,
0.2930


207.0072, 0.3167,
0.3095

 20.0008, 0.3208,
0.2880

251.9196, 0.3165,
0.3107

 12.3956, 0.3220,
0.2815

302.8991, 0.3163,
0.3118

 7.0137, 0.3235,
0.2725

360.3303, 0.3161,

 3.4707, 0.3257,

0.3127

0.2593

424.5974, 0.3159,
0.3136

■ 1.3821, 0.3288,
0.2383

■ 0.2035, 0.3563,
0.1248

■ 80.3421, 0.3181,
0.3026

■ 80.3421, 0.3181,
0.3026

■ 67.5257, 0.3230,
0.2815

■ 95.2206, 0.3138,
0.3232

■ 56.6693, 0.3285,
0.2604

99.9955, 0.3127,
0.3290

■ 47.6776, 0.3346,
0.2400

■ 40.4434, 0.3413,
0.2214

■ 34.8485, 0.3482,
0.2056

■ 30.7601, 0.3553,
0.1935

■ 28.0248, 0.3624,
0.1859

■ 26.4564, 0.3691,
0.1830

■ 25.8602, 0.3737,
0.1832

Harmonies

Analogous

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



80.3421, 0.2969, 0.2944



80.3421, 0.3181, 0.3026



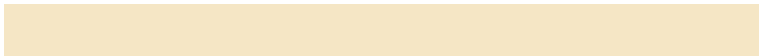
80.3421, 0.3384, 0.3173

Triad

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



80.3421, 0.3181, 0.3026



80.3421, 0.3454, 0.3639



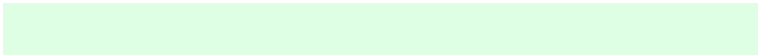
80.3421, 0.2750, 0.3208

Complementary

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



80.3421, 0.3181, 0.3026



92.6348, 0.3078, 0.3569

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.



80.3421, 0.2872, 0.3407



80.3421, 0.3181, 0.3026



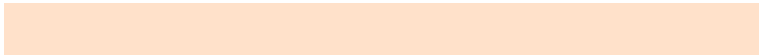
80.3421, 0.3276, 0.3662

Square

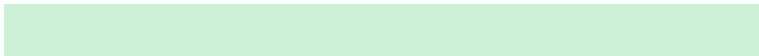
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3421, 0.3181, 0.3026



80.3421, 0.3544, 0.3522



80.3421, 0.3063, 0.3577



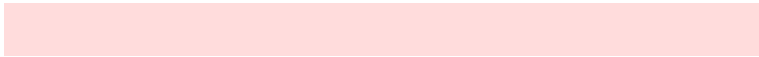
80.3421, 0.2726, 0.3040

Rectangle

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



80.3421, 0.3181, 0.3026



80.3421, 0.3485, 0.3291



80.3421, 0.3063, 0.3577



80.3421, 0.2781, 0.3273

Sweetspot

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



80.3456, 0.3181, 0.3026



93.5460, 0.3143, 0.3210



75.8800, 0.2956, 0.2951



19.7711, 0.3146, 0.3195



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.



80.3456, 0.3181, 0.3026



76.2099, 0.3195, 0.2962



79.3870, 0.3289, 0.3181



18.2409, 0.3166, 0.3097



13.5358, 0.3726, 0.1826



1.3319, 0.3657, 0.1788

Inverse Universe

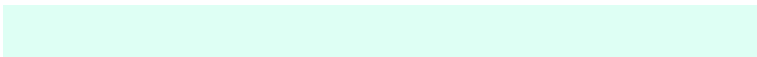
The Inverse Universe completely reimagines the original color for something new.



80.3456, 0.3181, 0.3026



76.2099, 0.3195, 0.2962



93.5670, 0.2988, 0.3401



18.2409, 0.3166, 0.3097



13.5358, 0.3726, 0.1826



1.3319, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 80.3421, 0.3181, 0.3026 looks on a white background.

Color Contrast Check

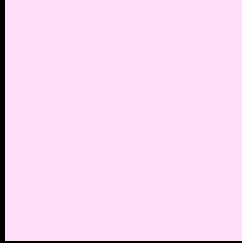
Large Text (above 18pt) WCAG AA × Fail

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 80.3421, 0.3181, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

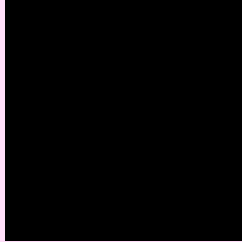
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3421, 0.3181, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 80.3421, 0.3181, 0.3026.

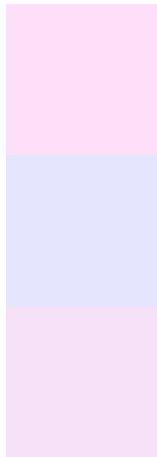


This preview shows how white text looks on a background with the Yxy color 80.3421, 0.3181, 0.3026.

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

80.3421, 0.3181, 0.3026

Protanopia

80.4074, 0.2973, 0.3045

Deuteranopia

80.4019, 0.3131, 0.3062



Tritanopia

80.1971, 0.3227, 0.3113

Trichromacy



Original Color

80.3421, 0.3181, 0.3026

Protanomaly

80.1436, 0.3044, 0.3038

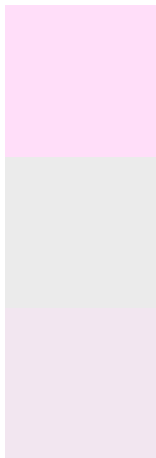
Deuteranomaly

80.4126, 0.3152, 0.3053

Tritanomaly

80.3778, 0.3207, 0.3084

Monochromacy



Original Color

80.3421, 0.3181, 0.3026

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.7621, 0.3146, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3421, 0.3181, 0.3026 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, 222, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.3421, 0.3181, 0.3026 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, 222, 249) }
```

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

```
.border{ border-color:rgb(255, 222, 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, 222, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3421, 0.3181, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 249) }
```

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

```
.background{ background-color: rgb(255,  
222, 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