

Converting Colors

$Y_{xy}(80.4164, 0.3238, 0.3120)$

Have a look what the booklet for
Yxy(80.4164, 0.3238, 0.3120)
contains.

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Color

Yxy(80.3266, 0.3240, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFF0
RGB	255, 223, 240
RGB Percent	100%, 87%, 94%
CMY	0.0003, 0.1254, 0.0588
CMYK	0.00, 0.13, 0.06, 0.00
HSL	328°, 100%, 94%
HSV	328°, 13%, 100%
XYZ	83.3360, 80.3266, 93.5472
YIQ	234.5060, 13.6150, 12.0710

Conversions

Conversions Part 2

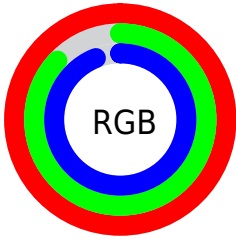
Format	Color
R _Y B	255, 223, 240
Decimal	16769008
CIE Lab	91.83, 13.77, -4.22
CIE LCh	92, 14.399, 342.977
Yxy	80.3266, 0.3240, 0.3123
Android (android.graphics.Color)	4294959088 (0xFFFFDFF0)
YUV	234.5060, 2.7085, 17.9732
Hunter-Lab	89.6251, 9.1304, 0.8530

Details

The Yxy color **80.3266, 0.3240, 0.3123** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.3395, 0.3028, 0.3463**, and the grayscale version is **82.6512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4717, 0.3265, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **67.0293, 0.3351, 0.2982**, and if you desaturate by 10%, it is **95.7286, 0.3148, 0.3257**.

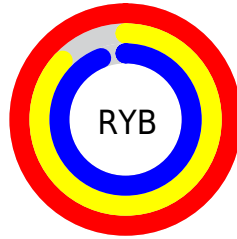
Distribution



Red (100%)

Green (87%)

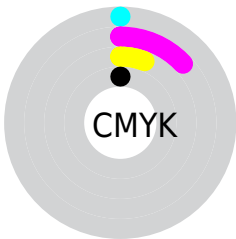
Blue (94%)



Red (100%)

Yellow (87%)

Blue (94%)

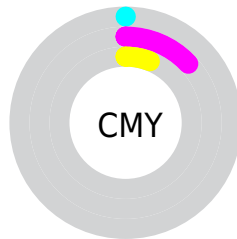


Cyan (0%)

Magenta (13%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3266, 0.3240, 0.3123 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 80.3266, 0.3240, 0.3123 by changing the saturation by 10% instead.


 80.3266, 0.3240,
0.3123

 80.3266, 0.3240,
0.3123


496.0328, 0.3189,
0.3198

 59.9871, 0.3251,
0.3106

133.8248, 0.3223,
0.3149

 43.4083, 0.3265,
0.3086

167.7524, 0.3216,
0.3159

 30.2056, 0.3282,
0.3061


206.9781, 0.3210,
0.3167

 19.9947, 0.3305,
0.3028

251.8864, 0.3205,
0.3175

 12.3912, 0.3334,
0.2985

302.8616, 0.3200,
0.3182

 7.0107, 0.3376,
0.2925

360.2881, 0.3196,

 3.4688, 0.3438,

0.3188

0.2836

424.5504, 0.3192,
0.3193

■ 1.3811, 0.3541,
0.2689

■ 0.2027, 0.4241,
0.1626

■ 80.3266, 0.3240,
0.3123

■ 80.3266, 0.3240,
0.3123

■ 67.0293, 0.3351,
0.2982

■ 95.7286, 0.3148,
0.3257

■ 55.7337, 0.3483,
0.2839

99.9868, 0.3127,
0.3290

■ 46.3443, 0.3639,
0.2698

■ 38.7533, 0.3819,
0.2569

■ 32.8422, 0.4022,
0.2463

■ 28.4781, 0.4243,
0.2392

■ 25.5075, 0.4472,
0.2368

■ 23.7452, 0.4700,
0.2399

■ 23.0127, 0.4864,
0.2453

Harmonies

Analogous

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



80.3266, 0.3070, 0.3033



80.3266, 0.3240, 0.3123



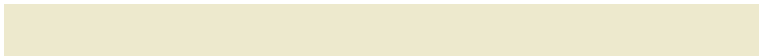
80.3266, 0.3383, 0.3255

Triad

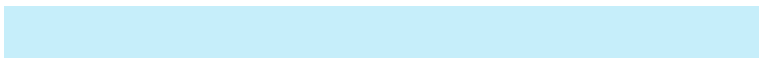
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3266, 0.3240, 0.3123



80.3266, 0.3335, 0.3583



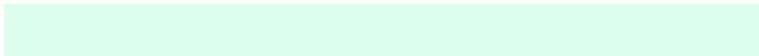
80.3266, 0.2810, 0.3167

Complementary

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



80.3266, 0.3240, 0.3123



93.3395, 0.3028, 0.3463

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.



80.3266, 0.2877, 0.3318



80.3266, 0.3240, 0.3123



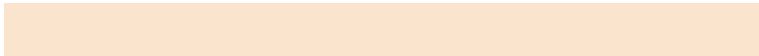
80.3266, 0.3178, 0.3564

Square

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



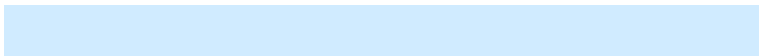
80.3266, 0.3240, 0.3123



80.3266, 0.3437, 0.3520



80.3266, 0.3010, 0.3466



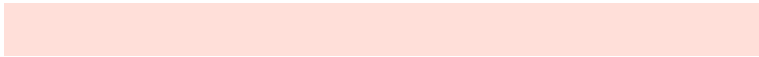
80.3266, 0.2825, 0.3054

Rectangle

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



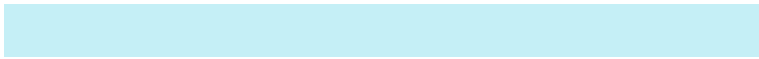
80.3266, 0.3240, 0.3123



80.3266, 0.3441, 0.3352



80.3266, 0.3010, 0.3466



80.3266, 0.2823, 0.3215

Sweetspot

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



80.3301, 0.3240, 0.3123



93.3601, 0.3160, 0.3238



78.1706, 0.3026, 0.2969



19.7240, 0.3167, 0.3228



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.



80.3301, 0.3240, 0.3123



76.8768, 0.3266, 0.3089



79.4260, 0.3348, 0.3280



18.1486, 0.3210, 0.3164



12.0626, 0.4829, 0.2434



1.1966, 0.4593, 0.2304

Inverse Universe

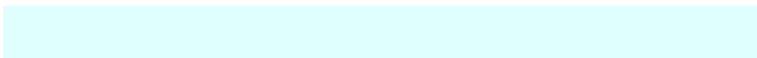
The Inverse Universe completely reimagines the original color for something new.



80.3301, 0.3240, 0.3123



76.8768, 0.3266, 0.3089



94.3158, 0.2941, 0.3300



18.1486, 0.3210, 0.3164



12.0626, 0.4829, 0.2434



1.1966, 0.4593, 0.2304

Previews

White Background



This preview shows how the Yxy color 80.3266, 0.3240, 0.3123 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 80.3266, 0.3240, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

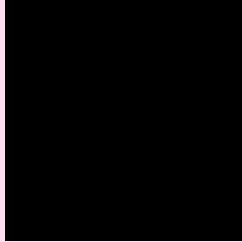
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3266, 0.3240, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 80.3266, 0.3240, 0.3123.

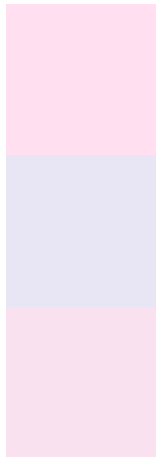


This preview shows how white text looks on a background with the Yxy color 80.3266, 0.3240, 0.3123.

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

80.3266, 0.3240, 0.3123

Protanopia

80.2811, 0.3053, 0.3146

Deuteranopia

80.4657, 0.3204, 0.3141



Tritanopia

80.3266, 0.3240, 0.3123

Trichromacy



Original Color

80.3266, 0.3240, 0.3123

Protanomaly

79.9345, 0.3114, 0.3128

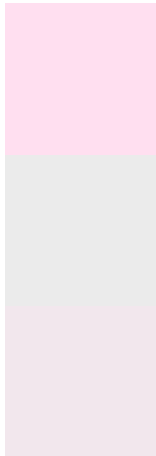
Deuteranomaly

80.2980, 0.3219, 0.3132

Tritanomaly

80.3266, 0.3240, 0.3123

Monochromacy



Original Color

80.3266, 0.3240, 0.3123

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.1435, 0.3164, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3266, 0.3240, 0.3123 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, 223, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 240)  
}
```

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, 223, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 240) }
```

Border

The CSS property to change the border of an element to Yxy 80.3266, 0.3240, 0.3123 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, 223, 240) }
```

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

```
.border{ border-color:rgb(255, 223, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3266, 0.3240, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 240) }
```

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

```
.background{ background-color: rgb(255,  
223, 240) }
```

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](#).

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