

Converting Colors

Yxy(64.7606, 0.3004, 0.2528)

Have a look what the booklet for
Yxy(64.7606, 0.3004, 0.2528)
contains.

Yxy(63.8211, 0.3097, 0.2641)	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(63.8211, 0.3097, 0.2641)

Conversions

Conversions Part 1	
Format	Color
Hex	F7BEFF
RGB	247, 190, 255
RGB Percent	97%, 75%, 100%
CMY	0.0311, 0.2550, 0.0000
CMYK	0.03, 0.25, 0.00, 0.00
HSL	293°, 100%, 87%
HSV	293°, 25%, 100%
XYZ	74.8406, 63.8211, 102.9934
YIQ	214.4530, 13.1070, 32.2990

Conversions

Conversions Part 2

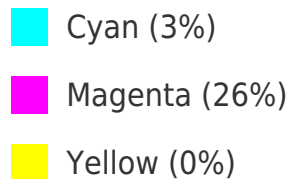
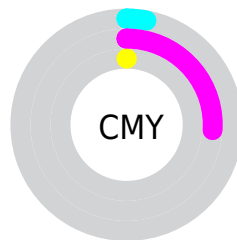
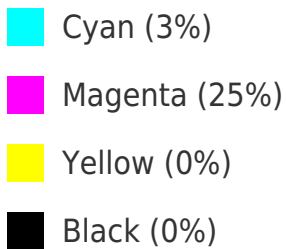
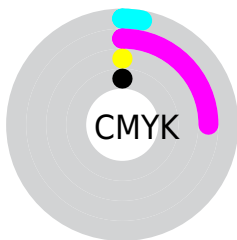
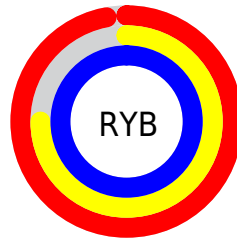
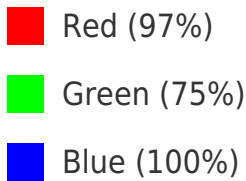
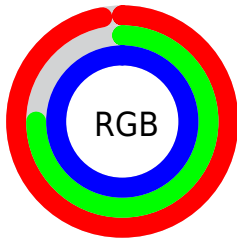
Format	Color
RYB	247, 190, 255
Decimal	16236287
CIELab	83.87, 31.23, -24.13
CIELCh	84, 39.464, 322.301
Yxy	63.8211, 0.3097, 0.2641
Android (android.graphics.Color)	4294426367 (0xFF7BEFF)
YUV	214.4530, 19.9897, 28.5437
Hunter-Lab	79.8881, 27.4177, -20.5162

Details

The Yxy color **63.8211, 0.3097, 0.2641** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.2297, 0.3141, 0.4011**, and the grayscale version is **67.4257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **32.6327, 0.3084, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **53.1671, 0.3079, 0.2383**, and if you desaturate by 10%, it is **76.4204, 0.3111, 0.2901**.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8211, 0.3097, 0.2641 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 63.8211, 0.3097, 0.2641 by changing the saturation by 10% instead.


 63.8211, 0.3097,
0.2641

 63.8211, 0.3097,
0.2641


438.5433, 0.3117,
0.2931

 46.5058, 0.3091,
0.2577


 110.3533, 0.3105,
0.2740

 32.6451, 0.3083,
0.2500


140.3389, 0.3108,
0.2779

 21.8547, 0.3071,
0.2403


175.3167, 0.3111,
0.2813

 13.7502, 0.3054,
0.2281

215.6712, 0.3112,
0.2842

 7.9471, 0.3028,
0.2121

261.7867, 0.3114,
0.2868

 4.0611, 0.2985,
0.1903


314.0477, 0.3115,


 1.7078, 0.2907,


0.2892


0.1594


372.8384, 0.3117,
0.2913


 0.4287, 0.2789,
0.0985


 0.0000, 0.1102,
0.0000


 63.8211, 0.3097,
0.2641


 63.8211, 0.3097,
0.2641

 53.1671, 0.3079,
0.2383

 76.4204, 0.3111,
0.2901

 44.3522, 0.3058,
0.2136


 91.0530, 0.3122,
0.3155


 37.2685, 0.3033,
0.1910


100.0000, 0.3127,
0.3290

 31.7943, 0.3005,
0.1716

 27.7924, 0.2975,
0.1562

 25.1023, 0.2943,
0.1453

 23.5258, 0.2912,
0.1389

 23.0509, 0.2897,
0.1370

Harmonies

Analogous

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



63.8211, 0.2638, 0.2505



63.8211, 0.3097, 0.2641



63.8211, 0.3601, 0.2919

Triad

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



63.8211, 0.3097, 0.2641



63.8211, 0.3962, 0.4018



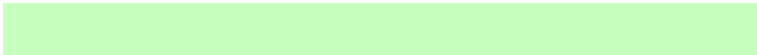
63.8211, 0.2330, 0.3198

Complementary

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



63.8211, 0.3097, 0.2641



87.2297, 0.3141, 0.4011

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.



63.8211, 0.2640, 0.3696



63.8211, 0.3097, 0.2641



63.8211, 0.3580, 0.4189

Square

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



63.8211, 0.3097, 0.2641



63.8211, 0.4120, 0.3681



63.8211, 0.3094, 0.4081



63.8211, 0.2224, 0.2782

Rectangle

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



63.8211, 0.3097, 0.2641



63.8211, 0.3883, 0.3158



63.8211, 0.3094, 0.4081



63.8211, 0.2412, 0.3363

Sweetspot

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



63.8229, 0.3097, 0.2641



87.1990, 0.3120, 0.3092



58.8478, 0.2694, 0.2659



18.1813, 0.3118, 0.3054



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.



63.8229, 0.3097, 0.2641



57.7280, 0.3088, 0.2498



63.8547, 0.3336, 0.2875



18.1813, 0.3118, 0.3054



12.0890, 0.2903, 0.1373



1.2073, 0.2940, 0.1393

Inverse Universe

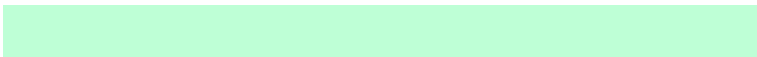
The Inverse Universe completely reimagines the original color for something new.



62.1491, 0.3606, 0.3209



55.8189, 0.3748, 0.3191



87.3097, 0.2964, 0.3745



18.0231, 0.3275, 0.3261



11.1720, 0.6252, 0.3218



1.0987, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 63.8211, 0.3097, 0.2641 looks on a white background.

Color Contrast Check

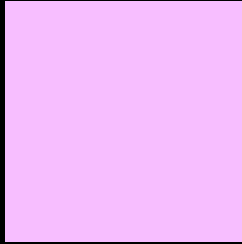
Large Text (above 18pt) WCAG AA × Fail

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 63.8211, 0.3097, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

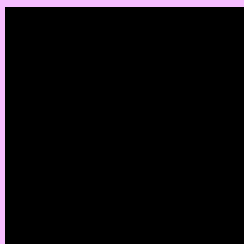
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8211, 0.3097, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 63.8211, 0.3097, 0.2641.

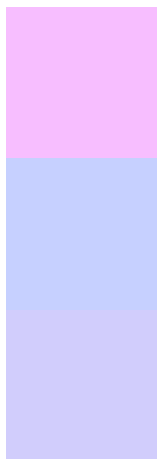


This preview shows how white text looks on a background with the Yxy color 63.8211, 0.3097, 0.2641.

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

63.8211, 0.3097, 0.2641

Protanopia

64.3375, 0.2755, 0.2774

Deuteranopia

64.2462, 0.2844, 0.2782




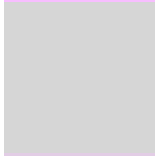

Tritanopia

63.8930, 0.3356, 0.3131

Trichromacy

	Original Color 63.8211, 0.3097, 0.2641
	Protanomaly 63.5922, 0.2872, 0.2715
	Deuteranomaly 64.0884, 0.2934, 0.2732
	Tritanomaly 63.6863, 0.3261, 0.2946

Monochromacy

	Original Color 63.8211, 0.3097, 0.2641
	Achromatopsia 67.2443, 0.3127, 0.3290
	Achromatomaly 65.4885, 0.3117, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8211, 0.3097, 0.2641 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(247, 190, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 190, 255)  
}
```

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(247, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8211, 0.3097, 0.2641 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(247, 190, 255) }
```

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

```
.border{ border-color:rgb(247, 190, 255) }
```

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

Here you see how a box with a 4 pixel rgb(247, 190, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8211, 0.3097, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 190, 255) }
```

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

```
.background{ background-color: rgb(247,  
190, 255) }
```

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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