

Converting Colors

$Y_{xy}(71.6593, 0.2542, 0.1926)$

Have a look what the booklet for
Yxy(71.6593, 0.2542, 0.1926)
contains.

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Color

Yxy(64.0034, 0.3104, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	F8BEFF
RGB	248, 190, 255
RGB Percent	97%, 75%, 100%
CMY	0.0275, 0.2548, 0.0000
CMYK	0.03, 0.25, 0.00, 0.00
HSL	294°, 100%, 87%
HSV	294°, 25%, 100%
XYZ	75.1671, 64.0034, 102.9915
YIQ	214.7520, 13.7030, 32.5110

Conversions

Conversions Part 2

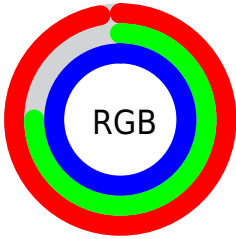
Format	Color
R _Y B	248, 190, 255
Decimal	16301823
CIE _{Lab}	83.97, 31.49, -23.97
CIE _{LCh}	84, 39.571, 322.721
Y _{xy}	64.0034, 0.3104, 0.2643
Android (android.graphics.Color)	4294491903 (0xFFFF8BEFF)
Y _{UV}	214.7520, 19.8423, 29.1585
Hunter-Lab	80.0021, 27.7083, -20.3260

Details

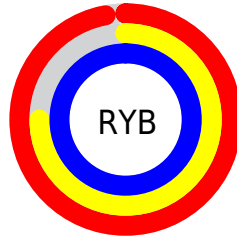
The Yxy color $64.0034, 0.3104, 0.2643$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.1074, 0.3136, 0.4011$, and the grayscale version is $67.6360, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.0015, 0.3131, 0.3214$, and $32.7619, 0.3094, 0.2504$ is the 20% darker color. If you saturate the color by 10%, you get $53.4091, 0.3090, 0.2386$, and if you desaturate by 10%, it is $76.5429, 0.3115, 0.2902$.

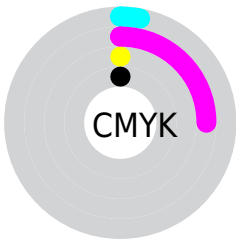
Distribution



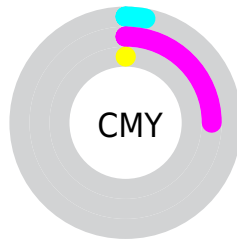
- Red (97%)
- Green (75%)
- Blue (100%)



- Red (97%)
- Yellow (75%)
- Blue (100%)



- Cyan (3%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0034, 0.3104, 0.2643 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 64.0034, 0.3104, 0.2643 by changing the saturation by 10% instead.


 64.0034, 0.3104,
0.2643

 64.0034, 0.3104,
0.2643

439.2019, 0.3121,
0.2932

 46.6534, 0.3099,
0.2579


 110.6158, 0.3111,
0.2741

 32.7618, 0.3091,
0.2502


140.6471, 0.3114,
0.2780

 21.9440, 0.3081,
0.2406


175.6742, 0.3116,
0.2814

 13.8158, 0.3066,
0.2285

216.0816, 0.3117,
0.2844

 7.9926, 0.3042,
0.2125

262.2537, 0.3118,
0.2870

 4.0902, 0.3002,
0.1909


314.5748, 0.3120,


 1.7242, 0.2929,

0.2893

0.1601


373.4295, 0.3120,
0.2914


 0.4392, 0.2817,
0.1002


 0.0000, 0.1237,
0.0000


 64.0034, 0.3104,
0.2643


 64.0034, 0.3104,
0.2643

 53.4091, 0.3090,
0.2386


 76.5429, 0.3115,
0.2902

 44.6510, 0.3072,
0.2141

 91.1126, 0.3124,
0.3156

 37.6222, 0.3051,
0.1918

99.9994, 0.3127,
0.3290

 32.2010, 0.3027,
0.1727

■ 28.2503, 0.3001,
0.1576

■ 25.6097, 0.2974,
0.1470

■ 24.0810, 0.2946,
0.1408

■ 23.6259, 0.2933,
0.1390

Harmonies

Analogous

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



64.0034, 0.2643, 0.2505



64.0034, 0.3104, 0.2643



64.0034, 0.3609, 0.2923

Triad

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



64.0034, 0.3104, 0.2643



64.0034, 0.3959, 0.4023



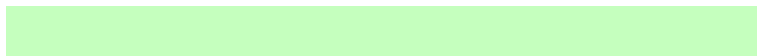
64.0034, 0.2326, 0.3191

Complementary

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



64.0034, 0.3104, 0.2643



87.1074, 0.3136, 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.



64.0034, 0.2633, 0.3690



64.0034, 0.3104, 0.2643



64.0034, 0.3574, 0.4191

Square

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



64.0034, 0.3104, 0.2643



64.0034, 0.4122, 0.3687



64.0034, 0.3087, 0.4079



64.0034, 0.2223, 0.2776

Rectangle

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



64.0034, 0.3104, 0.2643



64.0034, 0.3889, 0.3163



64.0034, 0.3087, 0.4079



64.0034, 0.2407, 0.3356

Sweetspot

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



64.0062, 0.3104, 0.2643



87.2526, 0.3122, 0.3093



58.3733, 0.2693, 0.2647



18.1949, 0.3121, 0.3055



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.



64.0062, 0.3104, 0.2643



57.9283, 0.3096, 0.2500



63.8107, 0.3345, 0.2886



18.1949, 0.3121, 0.3055



12.3861, 0.2938, 0.1392



1.2333, 0.2971, 0.1410

Inverse Universe

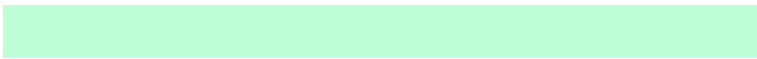
The Inverse Universe completely reimagines the original color for something new.



62.1255, 0.3613, 0.3219



55.7721, 0.3759, 0.3202



87.3661, 0.2959, 0.3732



18.0189, 0.3277, 0.3265



11.1616, 0.6276, 0.3231



1.0967, 0.6052, 0.3107

Previews

White Background



This preview shows how the Yxy color 64.0034, 0.3104, 0.2643 looks on a white background.

Color Contrast Check

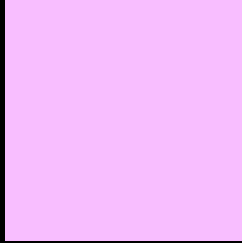
Large Text (above 18pt) WCAG AA × Fail

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 64.0034, 0.3104, 0.2643 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 64.0034, 0.3104, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 64.0034, 0.3104, 0.2643.



This preview shows how white text looks on a background with the Yxy color 64.0034, 0.3104, 0.2643.

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

64.0034, 0.3104, 0.2643

Protanopia

64.3375, 0.2755, 0.2774

Deuteranopia

64.2462, 0.2844, 0.2782



Tritanopia

64.0695, 0.3364, 0.3132

Trichromacy



Original Color

64.0034, 0.3104, 0.2643



Protanomaly

63.5922, 0.2872, 0.2715



Deuteranomaly

64.0884, 0.2934, 0.2732



Tritanomaly

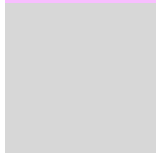
63.8647, 0.3269, 0.2947

Monochromacy



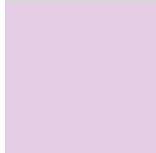
Original Color

64.0034, 0.3104, 0.2643



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.1867, 0.3117, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0034, 0.3104, 0.2643 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(248, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.0034, 0.3104, 0.2643 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(248, 190, 255) }
```

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

```
.border{ border-color:rgb(248, 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(248, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0034, 0.3104, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 190, 255) }
```

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

```
.background{ background-color: rgb(248,  
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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