

Converting Colors

$Y_{xy}(64.2203, 0.3090, 0.2653)$

Have a look what the booklet for
Yxy(64.2203, 0.3090, 0.2653)
contains.

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Color

Yxy(64.0744, 0.3089, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	F6BFFF
RGB	246, 191, 255
RGB Percent	96%, 75%, 100%
CMY	0.0352, 0.2510, 0.0001
CMYK	0.04, 0.25, 0.00, 0.00
HSL	292°, 100%, 87%
HSV	292°, 25%, 100%
XYZ	74.6890, 64.0744, 103.0268
YIQ	214.7410, 12.2360, 31.5640

Conversions

Conversions Part 2

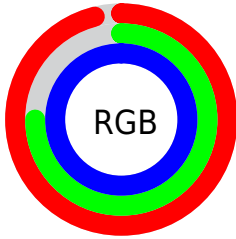
Format	Color
R _Y B	246, 191, 255
Decimal	16171007
CIE _{Lab}	84.00, 30.34, -23.93
CIE _{LCh}	84, 38.643, 321.744
Y _{xy}	64.0744, 0.3089, 0.2650
Android (android.graphics.Color)	4294361087 (0xFFFF6BFFF)
Y _{UV}	214.7410, 19.8477, 27.4141
Hunter-Lab	80.0465, 26.4717, -20.2789

Details

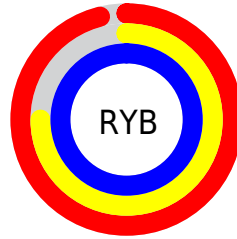
The Yxy color **64.0744, 0.3089, 0.2650** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.5486, 0.3148, 0.3996**, and the grayscale version is **67.6302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **32.7874, 0.3073, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **53.2667, 0.3067, 0.2390**, and if you desaturate by 10%, it is **76.8360, 0.3107, 0.2911**.

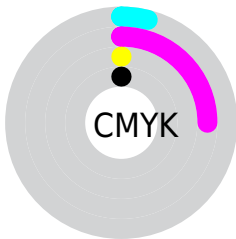
Distribution



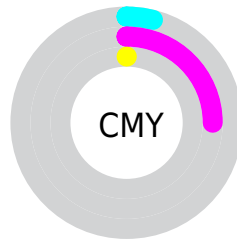
- Red (96%)
- Green (75%)
- Blue (100%)



- Red (96%)
- Yellow (75%)
- Blue (100%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0744, 0.3089, 0.2650 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 64.0744, 0.3089, 0.2650 by changing the saturation by 10% instead.

 64.0744, 0.3089,
0.2650

 64.0744, 0.3089,
0.2650

439.4583, 0.3113,
0.2937

 46.7109, 0.3082,
0.2587


 110.7181, 0.3098,
0.2747

 32.8072, 0.3073,
0.2510


140.7671, 0.3102,
0.2786

 21.9788, 0.3060,
0.2415


175.8134, 0.3105,
0.2819

 13.8413, 0.3042,
0.2294


216.2414, 0.3107,
0.2849

 8.0104, 0.3014,
0.2136

262.4355, 0.3109,
0.2874

 4.1016, 0.2969,
0.1921


314.7801, 0.3110,


 1.7306, 0.2887,


0.2897


0.1614

373.6595, 0.3112,
0.2918

 0.4433, 0.2762,
0.1017


 0.0000, 0.1037,
0.0000

 64.0744, 0.3089,
0.2650


 64.0744, 0.3089,
0.2650

 53.2667, 0.3067,
0.2390


 76.8360, 0.3107,
0.2911

 44.3042, 0.3041,
0.2139

 91.6363, 0.3121,
0.3165

 37.0802, 0.3011,
0.1909

99.9992, 0.3127,
0.3290

 31.4738, 0.2978,
0.1710

■ 27.3483, 0.2942,
0.1551

■ 24.5445, 0.2905,
0.1436

■ 22.8661, 0.2868,
0.1366

■ 22.3168, 0.2850,
0.1344

Harmonies

Analogous

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



64.0744, 0.2642, 0.2520



64.0744, 0.3089, 0.2650



64.0744, 0.3582, 0.2921

Triad

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



64.0744, 0.3089, 0.2650



64.0744, 0.3949, 0.3999



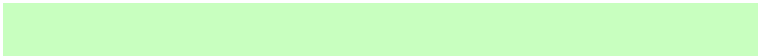
64.0744, 0.2350, 0.3210

Complementary

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



64.0744, 0.3089, 0.2650



87.5486, 0.3148, 0.3996

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.



64.0744, 0.2658, 0.3695



64.0744, 0.3089, 0.2650



64.0744, 0.3579, 0.4168

Square

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



64.0744, 0.3089, 0.2650



64.0744, 0.4099, 0.3667



64.0744, 0.3105, 0.4067



64.0744, 0.2242, 0.2800

Rectangle

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



64.0744, 0.3089, 0.2650



64.0744, 0.3859, 0.3155



64.0744, 0.3105, 0.4067



64.0744, 0.2432, 0.3371

Sweetspot

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



64.0772, 0.3089, 0.2650



87.1295, 0.3117, 0.3092



59.8822, 0.2703, 0.2683



18.1637, 0.3115, 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.



64.0772, 0.3089, 0.2650



58.5426, 0.3079, 0.2522



64.3795, 0.3324, 0.2872



18.1637, 0.3115, 0.3054



11.7120, 0.2857, 0.1347



1.1743, 0.2899, 0.1371

Inverse Universe

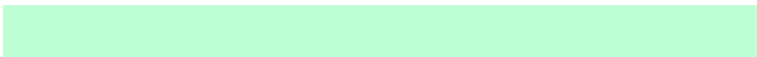
The Inverse Universe completely reimagines the original color for something new.



62.6884, 0.3586, 0.3198



56.9840, 0.3709, 0.3180



87.4124, 0.2972, 0.3749



18.0285, 0.3272, 0.3257



11.1871, 0.6218, 0.3199



1.1012, 0.5957, 0.3055

Previews

White Background



This preview shows how the Yxy color 64.0744, 0.3089, 0.2650 looks on a white background.

Color Contrast Check

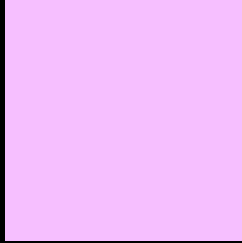
Large Text (above 18pt) WCAG AA × Fail

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 64.0744, 0.3089, 0.2650 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 64.0744, 0.3089, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 64.0744, 0.3089, 0.2650.



This preview shows how white text looks on a background with the Yxy color 64.0744, 0.3089, 0.2650.

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

64.0744, 0.3089, 0.2650

Protanopia

64.3375, 0.2755, 0.2774

Deuteranopia

64.2462, 0.2844, 0.2782



Tritanopia

64.2272, 0.3339, 0.3131

Trichromacy



Original Color

64.0744, 0.3089, 0.2650



Protanomaly

63.9081, 0.2865, 0.2725



Deuteranomaly

63.9300, 0.2927, 0.2731



Tritanomaly

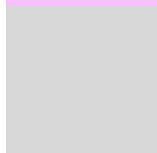
64.0142, 0.3245, 0.2946

Monochromacy



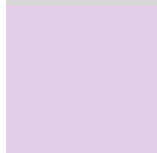
Original Color

64.0744, 0.3089, 0.2650



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.0245, 0.3109, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0744, 0.3089, 0.2650 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(246, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 191, 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(246, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.0744, 0.3089, 0.2650 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(246, 191, 255) }
```

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

```
.border{ border-color:rgb(246, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0744, 0.3089, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 191, 255) }
```

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

```
.background{ background-color: rgb(246,  
191, 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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