

Converting Colors

$Y_{xy}(66.5789, 0.2954, 0.2473)$

Have a look what the booklet for
Yxy(66.5789, 0.2954, 0.2473)
contains.

Yxy(64.8757, 0.3103, 0.2663)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.8757, 0.3103, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	F8C0FF
RGB	248, 192, 255
RGB Percent	97%, 75%, 100%
CMY	0.0277, 0.2469, 0.0000
CMYK	0.03, 0.25, 0.00, 0.00
HSL	293°, 100%, 88%
HSV	293°, 25%, 100%
XYZ	75.5949, 64.8757, 103.1482
YIQ	215.9260, 13.1530, 31.4650

Conversions

Conversions Part 2

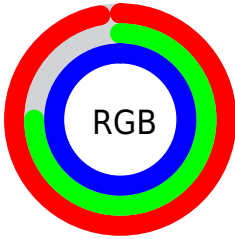
Format	Color
R _Y B	248, 192, 255
Decimal	16302335
CIE Lab	84.42, 30.41, -23.29
CIE LCh	84, 38.305, 322.558
Yxy	64.8757, 0.3103, 0.2663
Android (android.graphics.Color)	4294492415 (0xFFF8C0FF)
YUV	215.9260, 19.2635, 28.1289
Hunter-Lab	80.5455, 26.5744, -19.5462

Details

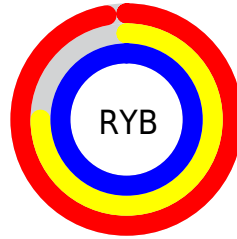
The Yxy color **64.8757, 0.3103, 0.2663** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.4818, 0.3137, 0.3986**, and the grayscale version is **68.4753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2314, 0.3130, 0.3233**, and **33.3305, 0.3093, 0.2529** is the 20% darker color. If you saturate the color by 10%, you get **54.1127, 0.3088, 0.2405**, and if you desaturate by 10%, it is **77.5917, 0.3115, 0.2922**.

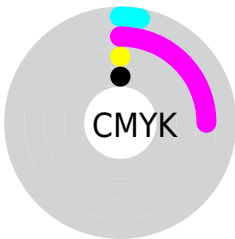
Distribution



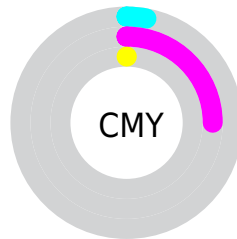
- Red (97%)
- Green (75%)
- Blue (100%)



- 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 64.8757, 0.3103, 0.2663 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 64.8757, 0.3103, 0.2663 by changing the saturation by 10% instead.


 64.8757, 0.3103,
0.2663

 64.8757, 0.3103,
0.2663


442.3452, 0.3120,
0.2943

 47.3603, 0.3098,
0.2601


 111.8711, 0.3110,
0.2758

 33.3206, 0.3091,
0.2527


142.1200, 0.3113,
0.2796

 22.3721, 0.3080,
0.2434


177.3820, 0.3115,
0.2829

 14.1306, 0.3066,
0.2316

218.0418, 0.3116,
0.2857

 8.2116, 0.3043,
0.2161

264.4836, 0.3117,
0.2883

 4.2306, 0.3005,
0.1951


317.0918, 0.3119,


 1.8034, 0.2935,

0.2905

0.1651


376.2509, 0.3119,
0.2925


 0.4893, 0.2822,
0.1093


 0.0000, 0.1398,
0.0000


 64.8757, 0.3103,
0.2663


 64.8757, 0.3103,
0.2663

 54.1127, 0.3088,
0.2405


 77.5917, 0.3115,
0.2922

 45.1952, 0.3069,
0.2158

 92.3461, 0.3124,
0.3175

 38.0166, 0.3047,
0.1932

100.0000, 0.3127,
0.3290

 32.4564, 0.3023,
0.1737

■ 28.3789, 0.2996,
0.1582

■ 25.6259, 0.2967,
0.1472

■ 24.0031, 0.2938,
0.1406

■ 23.4545, 0.2922,
0.1384

Harmonies

Analogous

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



64.8757, 0.2658, 0.2530



64.8757, 0.3103, 0.2663



64.8757, 0.3589, 0.2934

Triad

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



64.8757, 0.3103, 0.2663



64.8757, 0.3932, 0.3998



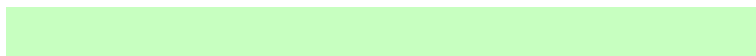
64.8757, 0.2354, 0.3199

Complementary

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



64.8757, 0.3103, 0.2663



87.4818, 0.3137, 0.3986

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.



64.8757, 0.2653, 0.3677



64.8757, 0.3103, 0.2663



64.8757, 0.3562, 0.4157

Square

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



64.8757, 0.3103, 0.2663



64.8757, 0.4086, 0.3673



64.8757, 0.3093, 0.4049



64.8757, 0.2253, 0.2798

Rectangle

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



64.8757, 0.3103, 0.2663



64.8757, 0.3859, 0.3167



64.8757, 0.3093, 0.4049



64.8757, 0.2434, 0.3357

Sweetspot

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



64.8782, 0.3103, 0.2663



88.7576, 0.3122, 0.3118



59.4513, 0.2708, 0.2670



18.8007, 0.3122, 0.3102



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.



64.8782, 0.3103, 0.2663



58.9294, 0.3095, 0.2526



64.7346, 0.3336, 0.2899



18.1909, 0.3120, 0.3055



12.2969, 0.2927, 0.1386



1.2255, 0.2961, 0.1405

Inverse Universe

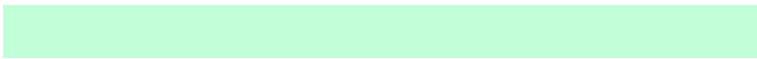
The Inverse Universe completely reimagines the original color for something new.



63.1007, 0.3591, 0.3218



56.8913, 0.3728, 0.3202



87.6971, 0.2964, 0.3717



18.0202, 0.3277, 0.3264



11.1646, 0.6269, 0.3227



1.0973, 0.6039, 0.3101

Previews

White Background



This preview shows how the Yxy color 64.8757, 0.3103, 0.2663 looks on a white background.

Color Contrast Check

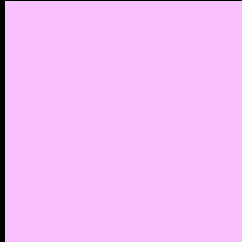
Large Text (above 18pt) WCAG AA × Fail

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 64.8757, 0.3103, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

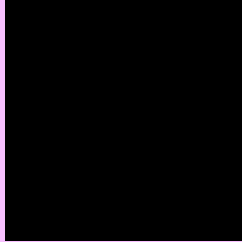
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8757, 0.3103, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 64.8757, 0.3103, 0.2663.



This preview shows how white text looks on a background with the Yxy color 64.8757, 0.3103, 0.2663.

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

64.8757, 0.3103, 0.2663

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.0198, 0.2858, 0.2795



Tritanopia

64.6304, 0.3347, 0.3121

Trichromacy



Original Color

64.8757, 0.3103, 0.2663



Protanomaly

64.6836, 0.2880, 0.2738



Deuteranomaly

64.7124, 0.2941, 0.2744



Tritanomaly

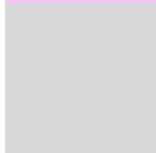
64.4261, 0.3253, 0.2938

Monochromacy



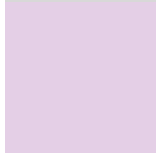
Original Color

64.8757, 0.3103, 0.2663



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

66.8328, 0.3124, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8757, 0.3103, 0.2663 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, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 192, 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, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.8757, 0.3103, 0.2663 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, 192, 255) }
```

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

```
.border{ border-color:rgb(248, 192, 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, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8757, 0.3103, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 192, 255) }
```

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

```
.background{ background-color: rgb(248,  
192, 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](#).

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