

Converting Colors

$Y_{xy}(64.8055, 0.3170, 0.2760)$

Have a look what the booklet for
Yxy(64.8055, 0.3170, 0.2760)
contains.

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Color

Yxy(64.7502, 0.3168, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	F8C1F6
RGB	248, 193, 246
RGB Percent	97%, 76%, 96%
CMY	0.0272, 0.2432, 0.0353
CMYK	0.00, 0.22, 0.01, 0.03
HSL	302°, 80%, 86%
HSV	302°, 22%, 97%
XYZ	74.4298, 64.7502, 95.7626
YIQ	215.4870, 15.7670, 28.1430

Conversions

Conversions Part 2

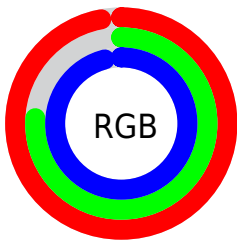
Format	Color
R _Y B	248, 193, 246
Decimal	16302582
CIE Lab	84.35, 28.30, -18.59
CIE LCh	84, 33.862, 326.693
Yxy	64.7502, 0.3168, 0.2756
Android (android.graphics.Color)	4294492662 (0xFFF8C1F6)
YUV	215.4870, 15.0429, 28.5139
Hunter-Lab	80.4675, 24.2886, -14.2325

Details

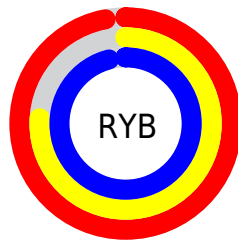
The Yxy color $64.7502, 0.3168, 0.2756$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $82.4460, 0.3086, 0.3889$, and the grayscale version is $68.1944, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.8512, 0.3129, 0.3242$, and $33.2593, 0.3168, 0.2633$ is the 20% darker color. If you saturate the color by 10%, you get $54.6347, 0.3188, 0.2515$, and if you desaturate by 10%, it is $76.7109, 0.3149, 0.3000$.

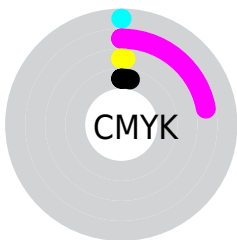
Distribution



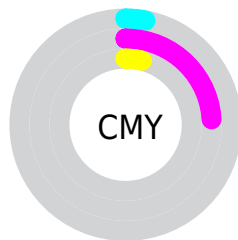
- Red (97%)
- Green (76%)
- Blue (96%)



- Red (97%)
- Yellow (76%)
- Blue (96%)



- Cyan (0%)
- Magenta (22%)
- Yellow (1%)
- Black (3%)





- Cyan (3%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7502, 0.3168, 0.2756 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 64.7502, 0.3168, 0.2756 by changing the saturation by 10% instead.


 64.7502, 0.3168,
0.2756

 64.7502, 0.3168,
0.2756


441.8938, 0.3153,
0.2997

 47.2586, 0.3170,
0.2703


 111.6906, 0.3164,
0.2838

 33.2401, 0.3173,
0.2637


141.9082, 0.3162,
0.2871

 22.3104, 0.3175,
0.2556


177.1366, 0.3160,
0.2899

 14.0852, 0.3177,
0.2452

217.7601, 0.3159,
0.2923

 8.1799, 0.3177,
0.2314

264.1632, 0.3157,
0.2945

 4.2103, 0.3172,
0.2123

316.7302, 0.3156,

 1.7919, 0.3155,

0.2964

375.8456, 0.3155,
0.2981

0.1845

0.4821, 0.3146,
0.1277

0.0000, 0.1352,
0.0000

64.7502, 0.3168,
0.2756

64.7502, 0.3168,
0.2756

54.6347, 0.3188,
0.2515

76.7109, 0.3149,
0.3000

46.2642, 0.3209,
0.2285

90.5935, 0.3131,
0.3239

39.5419, 0.3230,
0.2077

98.3122, 0.3120,
0.3350

34.3582, 0.3249,
0.1899

98.3701, 0.3115,
0.3341

30.5904, 0.3267,
0.1760

98.4282, 0.3109,
0.3332

28.0968, 0.3284,
0.1664

98.4867, 0.3104,
0.3323

26.7067, 0.3297,
0.1612

98.5454, 0.3099,
0.3314

26.1865, 0.3306,
0.1595

98.6044, 0.3093,
0.3305

98.6637, 0.3088,
0.3296

Harmonies

Analogous

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



64.7502, 0.2760, 0.2618



64.7502, 0.3168, 0.2756



64.7502, 0.3591, 0.3014

Triad

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



64.7502, 0.3168, 0.2756



64.7502, 0.3807, 0.3952



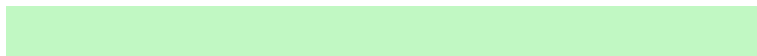
64.7502, 0.2415, 0.3158

Complementary

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



64.7502, 0.3168, 0.2756



82.4460, 0.3086, 0.3889

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.



64.7502, 0.2662, 0.3575



64.7502, 0.3168, 0.2756



64.7502, 0.3463, 0.4056

Square

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



64.7502, 0.3168, 0.2756



64.7502, 0.3971, 0.3682



64.7502, 0.3043, 0.3922



64.7502, 0.2348, 0.2818

Rectangle

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



64.7502, 0.3168, 0.2756



64.7502, 0.3814, 0.3230



64.7502, 0.3043, 0.3922



64.7502, 0.2479, 0.3295

Sweetspot

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



64.7530, 0.3168, 0.2756



89.0924, 0.3139, 0.3125



56.4915, 0.2763, 0.2669



18.8785, 0.3140, 0.3110



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.



64.7530, 0.3168, 0.2756



63.4966, 0.3178, 0.2639



63.1971, 0.3375, 0.3024



17.5127, 0.3144, 0.3065



14.1437, 0.3305, 0.1594



1.3134, 0.3292, 0.1587

Inverse Universe

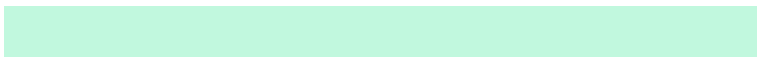
The Inverse Universe completely reimagines the original color for something new.



64.7530, 0.3168, 0.2756



63.4966, 0.3178, 0.2639



83.7971, 0.2934, 0.3573



17.5127, 0.3144, 0.3065



14.1437, 0.3305, 0.1594



1.3134, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 64.7502, 0.3168, 0.2756 looks on a white background.

Color Contrast Check

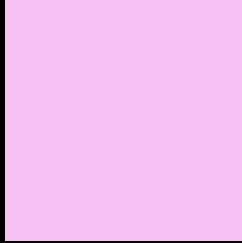
Large Text (above 18pt) WCAG AA × Fail

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 64.7502, 0.3168, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

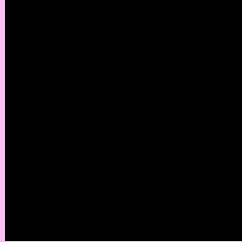
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7502, 0.3168, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 64.7502, 0.3168, 0.2756.



This preview shows how white text looks on a background with the Yxy color 64.7502, 0.3168, 0.2756.

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

64.7502, 0.3168, 0.2756

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.2732, 0.2944, 0.2880



Tritanopia

64.9350, 0.3371, 0.3133

Trichromacy



Original Color

64.7502, 0.3168, 0.2756



Protanomaly

64.4919, 0.2899, 0.2768



Deuteranomaly

64.8598, 0.3023, 0.2826



Tritanomaly

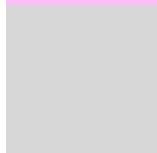
64.8360, 0.3290, 0.2989

Monochromacy



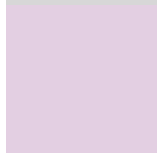
Original Color

64.7502, 0.3168, 0.2756



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.4475, 0.3144, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7502, 0.3168, 0.2756 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, 193, 246)` looks like.

```
.text, #text, p{  
    color:rgb(248, 193, 246)  
}
```

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, 193, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 193, 246) }
```

Border

The CSS property to change the border of an element to Yxy 64.7502, 0.3168, 0.2756 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, 193, 246) }
```

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

```
.border{ border-color:rgb(248, 193, 246) }
```

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

Here you see how a box with a 4 pixel rgb(248, 193, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 193, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 193, 246);  
box-shadow:4px 4px 4px 4px rgb(248, 193,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7502, 0.3168, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 193, 246) }
```

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

```
.background{ background-color: rgb(248,  
193, 246) }
```

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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