

Converting Colors

$Y_{xy}(64.7262, 0.3241, 0.2761)$

Have a look what the booklet for
Yxy(64.7262, 0.3241, 0.2761)
contains.

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Color

Yxy(64.6186, 0.3238, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEF4
RGB	255, 190, 244
RGB Percent	100%, 75%, 96%
CMY	0.0001, 0.2548, 0.0432
CMYK	0.00, 0.25, 0.04, 0.00
HSL	310°, 100%, 87%
HSV	310°, 25%, 100%
XYZ	75.9750, 64.6186, 94.0419
YIQ	215.5910, 21.4060, 30.5740

Conversions

Conversions Part 2

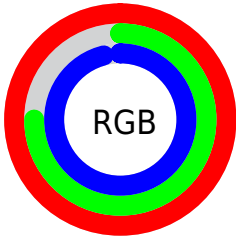
Format	Color
R _Y B	255, 190, 244
Decimal	16760564
CIE Lab	84.29, 31.76, -17.56
CIE LCh	84, 36.291, 331.066
Yxy	64.6186, 0.3238, 0.2754
Android (android.graphics.Color)	4294950644 (0xFFFFBEF4)
YUV	215.5910, 14.0056, 34.5617
Hunter-Lab	80.3857, 28.0308, -13.0924

Details

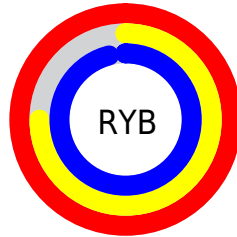
The Yxy color $64.6186, 0.3238, 0.2754$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $86.6753, 0.3033, 0.3893$, and the grayscale version is $68.2699, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.0015, 0.3131, 0.3214$, and $33.2449, 0.3261, 0.2633$ is the 20% darker color. If you saturate the color by 10%, you get $54.2650, 0.3292, 0.2542$, and if you desaturate by 10%, it is $76.9162, 0.3190, 0.2968$.

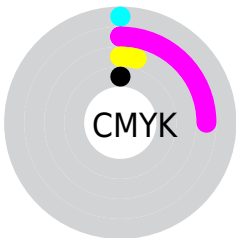
Distribution



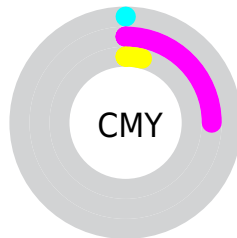
- Red (100%)
- Green (75%)
- Blue (96%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6186, 0.3238, 0.2754 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 64.6186, 0.3238, 0.2754 by changing the saturation by 10% instead.


 64.6186, 0.3238,
0.2754

 64.6186, 0.3238,
0.2754

441.4201, 0.3191,
0.2995

 47.1519, 0.3248,
0.2700


 111.5013, 0.3222,
0.2836

 33.1557, 0.3259,
0.2635


141.6862, 0.3216,
0.2869

 22.2458, 0.3273,
0.2554


176.8791, 0.3211,
0.2897

 14.0376, 0.3291,
0.2450

217.4647, 0.3206,
0.2922

 8.1468, 0.3312,
0.2312

263.8271, 0.3201,
0.2943

 4.1890, 0.3337,
0.2121


316.3509, 0.3197,


 1.7799, 0.3367,


0.2963


0.1844

375.4205, 0.3194,
0.2980


 0.4746, 0.3447,
0.1270

 0.0000, 0.2443,
0.0000


 64.6186, 0.3238,
0.2754


 64.6186, 0.3238,
0.2754

 54.2650, 0.3292,
0.2542

 76.9162, 0.3190,
0.2968

 45.7462, 0.3351,
0.2340

 91.2425, 0.3148,
0.3179

 38.9551, 0.3415,
0.2158

99.9965, 0.3127,
0.3290

 33.7703, 0.3481,
0.2007

■ 30.0546, 0.3547,
0.1896

■ 27.6476, 0.3612,
0.1830

■ 26.3512, 0.3673,
0.1810

■ 26.0005, 0.3700,
0.1812

Harmonies

Analogous

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



64.6186, 0.2791, 0.2586



64.6186, 0.3238, 0.2754



64.6186, 0.3683, 0.3043

Triad

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



64.6186, 0.3238, 0.2754



64.6186, 0.3810, 0.4027



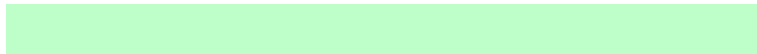
64.6186, 0.2344, 0.3084

Complementary

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



64.6186, 0.3238, 0.2754



86.6753, 0.3033, 0.3893

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.



64.6186, 0.2580, 0.3531



64.6186, 0.3238, 0.2754



64.6186, 0.3420, 0.4110

Square

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



64.6186, 0.3238, 0.2754



64.6186, 0.4021, 0.3755



64.6186, 0.2970, 0.3928



64.6186, 0.2303, 0.2743

Rectangle

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



64.6186, 0.3238, 0.2754



64.6186, 0.3905, 0.3276



64.6186, 0.2970, 0.3928



64.6186, 0.2402, 0.3227

Sweetspot

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



64.6215, 0.3238, 0.2754



87.4474, 0.3158, 0.3126



56.4491, 0.2760, 0.2575



18.2445, 0.3164, 0.3095



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.



64.6215, 0.3238, 0.2754



58.6789, 0.3267, 0.2636



62.8278, 0.3492, 0.3069



18.2445, 0.3164, 0.3095



13.6076, 0.3691, 0.1807



1.3383, 0.3626, 0.1771

Inverse Universe

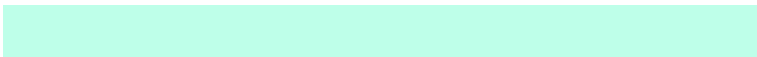
The Inverse Universe completely reimagines the original color for something new.



64.6215, 0.3238, 0.2754



58.6789, 0.3267, 0.2636



88.3594, 0.2862, 0.3524



18.2445, 0.3164, 0.3095



13.6076, 0.3691, 0.1807



1.3383, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 64.6186, 0.3238, 0.2754 looks on a white background.

Color Contrast Check

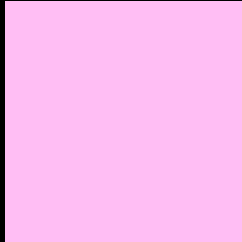
Large Text (above 18pt) WCAG AA × Fail

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 64.6186, 0.3238, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

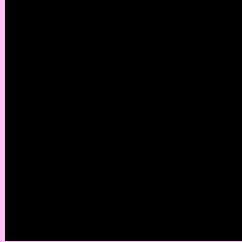
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6186, 0.3238, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 64.6186, 0.3238, 0.2754.



This preview shows how white text looks on a background with the Yxy color 64.6186, 0.3238, 0.2754.

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

64.6186, 0.3238, 0.2754

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

64.7652, 0.2970, 0.2900



Tritanopia

64.6922, 0.3455, 0.3135

Trichromacy



Original Color

64.6186, 0.3238, 0.2754



Protanomaly

64.4217, 0.2926, 0.2770



Deuteranomaly

64.7083, 0.3065, 0.2848



Tritanomaly

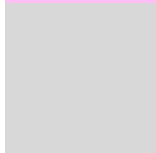
64.6067, 0.3371, 0.2994

Monochromacy



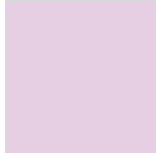
Original Color

64.6186, 0.3238, 0.2754



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

66.9396, 0.3167, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6186, 0.3238, 0.2754 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(255, 190, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 244)  
}
```

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(255, 190, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 244) }
```

Border

The CSS property to change the border of an element to Yxy 64.6186, 0.3238, 0.2754 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(255, 190, 244) }
```

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

```
.border{ border-color:rgb(255, 190, 244) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6186, 0.3238, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 244) }
```

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

```
.background{ background-color: rgb(255,  
190, 244) }
```

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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