

Converting Colors

$Y_{xy}(64.6795, 0.3230, 0.2744)$

Have a look what the booklet for
Yxy(64.6795, 0.3230, 0.2744)
contains.

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Color

Yxy(64.6795, 0.3231, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEF5
RGB	255, 190, 245
RGB Percent	100%, 75%, 96%
CMY	0.0000, 0.2550, 0.0391
CMYK	0.00, 0.26, 0.04, 0.00
HSL	309°, 100%, 87%
HSV	309°, 26%, 100%
XYZ	76.1587, 64.6795, 94.8743
YIQ	215.7050, 21.0850, 30.8850

Conversions

Conversions Part 2

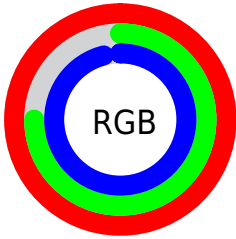
Format	Color
R _Y B	255, 190, 245
Decimal	16760565
CIE Lab	84.32, 32.00, -18.06
CIE LCh	84, 36.745, 330.555
Yxy	64.6795, 0.3231, 0.2744
Android (android.graphics.Color)	4294950645 (0xFFFFBEF5)
YUV	215.7050, 14.4424, 34.4617
Hunter-Lab	80.4236, 28.2929, -13.6469

Details

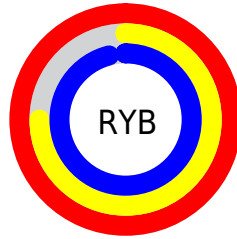
The Yxy color **64.6795, 0.3231, 0.2744** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.6307, 0.3039, 0.3906**, and the grayscale version is **68.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **33.2882, 0.3251, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **54.3366, 0.3280, 0.2528**, and if you desaturate by 10%, it is **76.9355, 0.3186, 0.2962**.

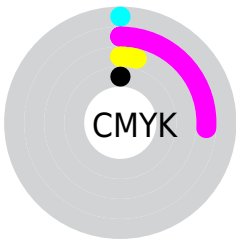
Distribution



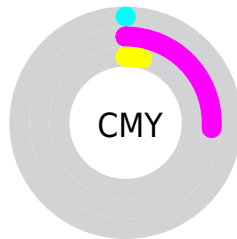
- Red (100%)
- Green (75%)
- Blue (96%)



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



- Cyan (0%)
- Magenta (26%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6795, 0.3231, 0.2744 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 64.6795, 0.3231, 0.2744 by changing the saturation by 10% instead.


 64.6795, 0.3231,
0.2744

 64.6795, 0.3231,
0.2744

441.6393, 0.3187,
0.2990

 47.2012, 0.3240,
0.2690


 111.5890, 0.3217,
0.2828

 33.1948, 0.3251,
0.2623


141.7889, 0.3211,
0.2861

 22.2757, 0.3263,
0.2541


176.9983, 0.3206,
0.2889

 14.0596, 0.3278,
0.2435

217.6014, 0.3201,
0.2915

 8.1621, 0.3297,
0.2295

263.9827, 0.3197,
0.2937

 4.1989, 0.3319,
0.2103

316.5265, 0.3194,

 1.7854, 0.3342,

0.2956

0.1823

375.6172, 0.3190,
0.2974

0.4781, 0.3408,
0.1253

0.0000, 0.2408,
0.0000

64.6795, 0.3231,
0.2744

64.6795, 0.3231,
0.2744

54.3366, 0.3280,
0.2528

76.9355, 0.3186,
0.2962

45.8423, 0.3335,
0.2324

91.2343, 0.3147,
0.3176

39.0748, 0.3392,
0.2140

100.0000, 0.3127,
0.3290

33.9124, 0.3452,
0.1987

■ 30.2180, 0.3512,
0.1874

■ 27.8311, 0.3570,
0.1806

■ 26.5533, 0.3625,
0.1783

■ 26.2116, 0.3649,
0.1784

Harmonies

Analogous

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



64.6795, 0.2780, 0.2576



64.6795, 0.3231, 0.2744



64.6795, 0.3683, 0.3034

Triad

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



64.6795, 0.3231, 0.2744



64.6795, 0.3823, 0.4032



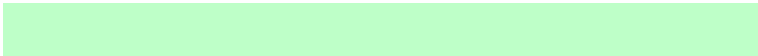
64.6795, 0.2337, 0.3089

Complementary

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



64.6795, 0.3231, 0.2744



86.6307, 0.3039, 0.3906

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.



64.6795, 0.2579, 0.3541



64.6795, 0.3231, 0.2744



64.6795, 0.3431, 0.4121

Square

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



64.6795, 0.3231, 0.2744



64.6795, 0.4034, 0.3754



64.6795, 0.2975, 0.3942



64.6795, 0.2292, 0.2741

Rectangle

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



64.6795, 0.3231, 0.2744



64.6795, 0.3910, 0.3269



64.6795, 0.2975, 0.3942



64.6795, 0.2397, 0.3234

Sweetspot

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



64.6674, 0.3230, 0.2744



87.4679, 0.3156, 0.3123



56.2748, 0.2752, 0.2572



18.2497, 0.3162, 0.3091



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.



64.6674, 0.3230, 0.2744



58.7544, 0.3257, 0.2625



62.8638, 0.3483, 0.3057



18.2497, 0.3162, 0.3091



13.7142, 0.3640, 0.1779



1.3477, 0.3583, 0.1748

Inverse Universe

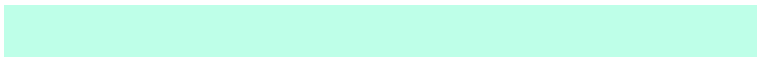
The Inverse Universe completely reimagines the original color for something new.



64.6674, 0.3230, 0.2744



58.7544, 0.3257, 0.2625



88.3029, 0.2867, 0.3537



18.2497, 0.3162, 0.3091



13.7142, 0.3640, 0.1779



1.3477, 0.3583, 0.1748

Previews

White Background



This preview shows how the Yxy color 64.6795, 0.3231, 0.2744 looks on a white background.

Color Contrast Check

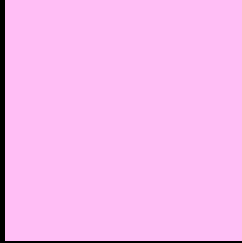
Large Text (above 18pt) WCAG AA × Fail

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 64.6795, 0.3231, 0.2744 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 64.6795, 0.3231, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 64.6795, 0.3231, 0.2744.



This preview shows how white text looks on a background with the Yxy color 64.6795, 0.3231, 0.2744.

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

64.6795, 0.3231, 0.2744

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

64.6724, 0.2956, 0.2889



Tritanopia

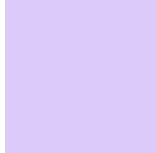
64.5070, 0.3447, 0.3135

Trichromacy



Original Color

64.6795, 0.3231, 0.2744



Protanomaly

64.4217, 0.2926, 0.2770



Deuteranomaly

64.6026, 0.3051, 0.2838



Tritanomaly

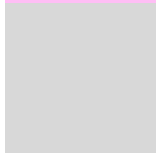
64.6067, 0.3371, 0.2994

Monochromacy



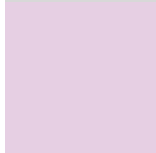
Original Color

64.6795, 0.3231, 0.2744



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

66.9947, 0.3160, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6795, 0.3231, 0.2744 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 245) }
```

Border

The CSS property to change the border of an element to Yxy 64.6795, 0.3231, 0.2744 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, 245) }
```

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

```
.border{ border-color:rgb(255, 190, 245) }
```

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, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6795, 0.3231, 0.2744 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
190, 245) }
```

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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