

Converting Colors

$Y_{xy}(67.3555, 0.3299, 0.2805)$

Have a look what the booklet for
Yxy(67.3555, 0.3299, 0.2805)
contains.

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Color

Yxy(65.8710, 0.3243, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	FFC1F3
RGB	255, 193, 243
RGB Percent	100%, 76%, 95%
CMY	0.0001, 0.2431, 0.0470
CMYK	0.00, 0.24, 0.05, 0.00
HSL	312°, 100%, 88%
HSV	312°, 24%, 100%
XYZ	76.4839, 65.8710, 93.4882
YIQ	217.2380, 20.9020, 28.6940

Conversions

Conversions Part 2

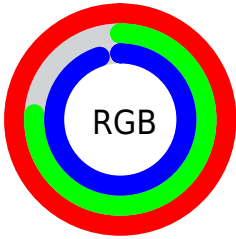
Format	Color
RYB	255, 193, 243
Decimal	16761331
CIELab	84.93, 30.02, -16.07
CIELCh	85, 34.052, 331.835
Yxy	65.8710, 0.3243, 0.2793
Android (android.graphics.Color)	4294951411 (0xFFFFC1F3)
YUV	217.2380, 12.7007, 33.1173
Hunter-Lab	81.1610, 26.1820, -11.4827

Details

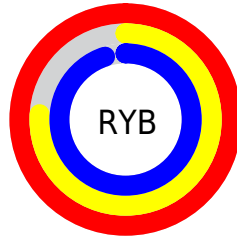
The Yxy color **65.8710, 0.3243, 0.2793** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.2542, 0.3030, 0.3844**, and the grayscale version is **69.4618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **34.0589, 0.3268, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **55.2612, 0.3302, 0.2585**, and if you desaturate by 10%, it is **78.4381, 0.3190, 0.3002**.

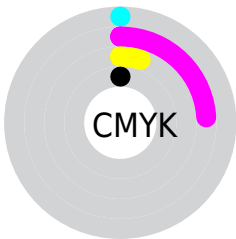
Distribution



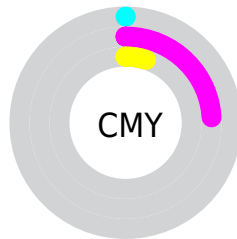
- Red (100%)
- Green (76%)
- Blue (95%)



- Red (100%)
- Yellow (76%)
- Blue (95%)



- Cyan (0%)
- Magenta (24%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8710, 0.3243, 0.2793 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 65.8710, 0.3243, 0.2793 by changing the saturation by 10% instead.


 65.8710, 0.3243,
0.2793

 65.8710, 0.3243,
0.2793


445.9154, 0.3193,
0.3017

 48.1677, 0.3254,
0.2743

 113.3012, 0.3226,
0.2870

 33.9597, 0.3266,
0.2683


143.7968, 0.3220,
0.2900

 22.8626, 0.3282,
0.2607


179.3254, 0.3214,
0.2926

 14.4921, 0.3301,
0.2510

220.2712, 0.3209,
0.2949

 8.4637, 0.3325,
0.2382

267.0187, 0.3204,
0.2969

 4.3931, 0.3356,
0.2204

319.9523, 0.3200,

 1.8958, 0.3395,

0.2987

0.1943

379.4564, 0.3196,
0.3003

0.5458, 0.3479,
0.1437

0.0000, 0.2800,
0.0000

65.8710, 0.3243,
0.2793

65.8710, 0.3243,
0.2793

55.2612, 0.3302,
0.2585

78.4381, 0.3190,
0.3002

46.5001, 0.3368,
0.2386

93.0463, 0.3145,
0.3205

39.4820, 0.3440,
0.2206

99.9965, 0.3127,
0.3290

34.0870, 0.3515,
0.2054

■ 30.1800, 0.3592,
0.1941

■ 27.6038, 0.3668,
0.1873

■ 26.1660, 0.3740,
0.1852

■ 25.7003, 0.3780,
0.1856

Harmonies

Analogous

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



65.8710, 0.2824, 0.2631



65.8710, 0.3243, 0.2793



65.8710, 0.3655, 0.3068

Triad

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



65.8710, 0.3243, 0.2793



65.8710, 0.3758, 0.3984



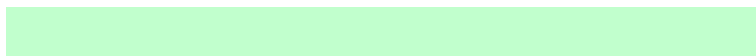
65.8710, 0.2390, 0.3091

Complementary

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



65.8710, 0.3243, 0.2793



87.2542, 0.3030, 0.3844

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.



65.8710, 0.2608, 0.3504



65.8710, 0.3243, 0.2793



65.8710, 0.3393, 0.4051

Square

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



65.8710, 0.3243, 0.2793



65.8710, 0.3959, 0.3736



65.8710, 0.2972, 0.3874



65.8710, 0.2356, 0.2775

Rectangle

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



65.8710, 0.3243, 0.2793



65.8710, 0.3857, 0.3288



65.8710, 0.2972, 0.3874



65.8710, 0.2443, 0.3223

Sweetspot

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



65.8739, 0.3243, 0.2793



88.9152, 0.3156, 0.3151



58.2544, 0.2787, 0.2613



18.8374, 0.3159, 0.3139



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.



65.8739, 0.3243, 0.2793



60.6622, 0.3270, 0.2695



64.1876, 0.3479, 0.3090



18.2367, 0.3168, 0.3100



13.4525, 0.3769, 0.1850



1.3245, 0.3693, 0.1808

Inverse Universe

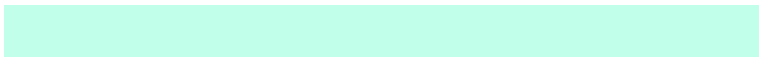
The Inverse Universe completely reimagines the original color for something new.



65.8739, 0.3243, 0.2793



60.6622, 0.3270, 0.2695



88.8663, 0.2868, 0.3501



18.2367, 0.3168, 0.3100



13.4525, 0.3769, 0.1850



1.3245, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 65.8710, 0.3243, 0.2793 looks on a white background.

Color Contrast Check

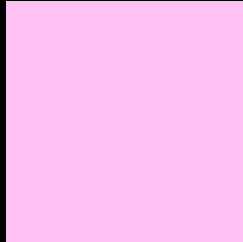
Large Text (above 18pt) WCAG AA × Fail

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 65.8710, 0.3243, 0.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

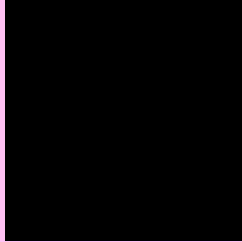
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8710, 0.3243, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 65.8710, 0.3243, 0.2793.



This preview shows how white text looks on a background with the Yxy color 65.8710, 0.3243, 0.2793.

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

65.8710, 0.3243, 0.2793

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

66.1326, 0.2998, 0.2935



Tritanopia

65.7524, 0.3428, 0.3125

Trichromacy



Original Color

65.8710, 0.3243, 0.2793



Protanomaly

65.6804, 0.2940, 0.2794



Deuteranomaly

65.9156, 0.3087, 0.2882



Tritanomaly

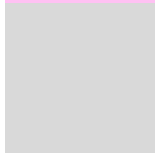
65.6115, 0.3353, 0.2994

Monochromacy



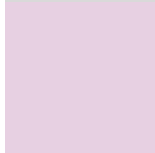
Original Color

65.8710, 0.3243, 0.2793



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.5917, 0.3173, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8710, 0.3243, 0.2793 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, 193, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 243)  
}
```

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, 193, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 243) }
```

Border

The CSS property to change the border of an element to Yxy 65.8710, 0.3243, 0.2793 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, 193, 243) }
```

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

```
.border{ border-color:rgb(255, 193, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8710, 0.3243, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 243) }
```

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

```
.background{ background-color: rgb(255,  
193, 243) }
```

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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