

Converting Colors

$Y_{xy}(65.6752, 0.3313, 0.2890)$

Have a look what the booklet for
Yxy(65.6752, 0.3313, 0.2890)
contains.

Yxy(65.7841, 0.3310, 0.2889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.7841, 0.3310, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	FFC2EA
RGB	255, 194, 234
RGB Percent	100%, 76%, 92%
CMY	0.0001, 0.2391, 0.0824
CMYK	0.00, 0.24, 0.08, 0.00
HSL	321°, 100%, 88%
HSV	321°, 24%, 100%
XYZ	75.3705, 65.7841, 86.5508
YIQ	216.7990, 23.5160, 25.3720

Conversions

Conversions Part 2

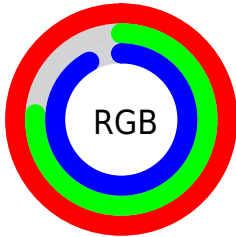
Format	Color
R_{YB}	255, 194, 234
Decimal	16761578
CIE _{Lab}	84.89, 27.94, -11.33
CIE _{LCh}	85, 30.152, 337.936
Yxy	65.7841, 0.3310, 0.2889
Android (android.graphics.Color)	4294951658 (0xFFFFC2EA)
YUV	216.7990, 8.4801, 33.5023
Hunter-Lab	81.1074, 23.9364, -6.4940

Details

The Yxy color $65.7841, 0.3310, 0.2889$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.8765, 0.2981, 0.3728$, and the grayscale version is $69.1722, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.4744, 0.3129, 0.3252$, and $33.9763, 0.3358, 0.2803$ is the 20% darker color. If you saturate the color by 10%, you get $54.9010, 0.3410, 0.2715$, and if you desaturate by 10%, it is $78.6450, 0.3224, 0.3061$.

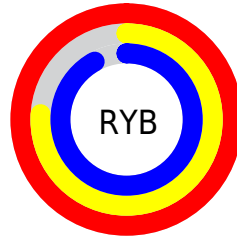
Distribution



Red (100%)

Green (76%)

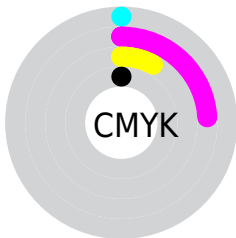
Blue (92%)



Red (100%)

Yellow (76%)

Blue (92%)

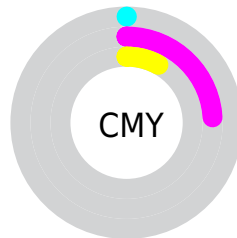


Cyan (0%)

Magenta (24%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7841, 0.3310, 0.2889 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 65.7841, 0.3310, 0.2889 by changing the saturation by 10% instead.

 65.7841, 0.3310,
0.2889

 65.7841, 0.3310,
0.2889


445.6044, 0.3227,
0.3071

 48.0972, 0.3329,
0.2848


 113.1764, 0.3281,
0.2952

 33.9038, 0.3351,
0.2798


143.6506, 0.3270,
0.2976

 22.8197, 0.3380,
0.2735


179.1559, 0.3261,
0.2997

 14.4605, 0.3417,
0.2654

220.0768, 0.3252,
0.3016

 8.4416, 0.3466,
0.2545

266.7978, 0.3245,
0.3032

 4.3788, 0.3536,
0.2392

319.7031, 0.3238,

 1.8876, 0.3640,

0.3047

0.2162

379.1771, 0.3232,
0.3060

0.5409, 0.3861,
0.1673

0.0000, 0.4509,
0.0000

65.7841, 0.3310,
0.2889

65.7841, 0.3310,
0.2889

54.9010, 0.3410,
0.2715

78.6450, 0.3224,
0.3061

45.8873, 0.3525,
0.2547

93.5676, 0.3152,
0.3228

38.6373, 0.3655,
0.2394

99.9932, 0.3127,
0.3290

33.0313, 0.3797,
0.2266

■ 28.9346, 0.3947,
0.2175

■ 26.1909, 0.4102,
0.2132

■ 24.6093, 0.4253,
0.2140

■ 24.0494, 0.4344,
0.2166

Harmonies

Analogous

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



65.7841, 0.2930, 0.2720



65.7841, 0.3310, 0.2889



65.7841, 0.3656, 0.3152

Triad

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



65.7841, 0.3310, 0.2889



65.7841, 0.3632, 0.3934



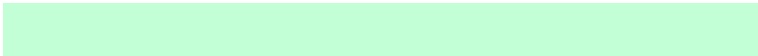
65.7841, 0.2449, 0.3050

Complementary

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



65.7841, 0.3310, 0.2889



87.8765, 0.2981, 0.3728

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.



65.7841, 0.2614, 0.3405



65.7841, 0.3310, 0.2889



65.7841, 0.3291, 0.3945

Square

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



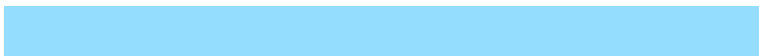
65.7841, 0.3310, 0.2889



65.7841, 0.3844, 0.3745



65.7841, 0.2918, 0.3748



65.7841, 0.2452, 0.2793

Rectangle

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



65.7841, 0.3310, 0.2889



65.7841, 0.3812, 0.3355



65.7841, 0.2918, 0.3748



65.7841, 0.2486, 0.3162

Sweetspot

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



65.7870, 0.3310, 0.2889



88.7457, 0.3173, 0.3177



60.1592, 0.2857, 0.2638



18.7980, 0.3177, 0.3167



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.



65.7870, 0.3310, 0.2889



60.0152, 0.3359, 0.2800



64.2160, 0.3545, 0.3186



18.1878, 0.3191, 0.3135



12.5996, 0.4320, 0.2153



1.2473, 0.4160, 0.2065

Inverse Universe

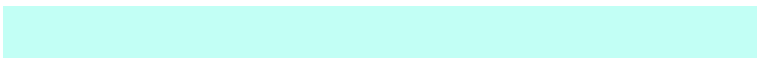
The Inverse Universe completely reimagines the original color for something new.



65.7870, 0.3310, 0.2889



60.0152, 0.3359, 0.2800



89.5506, 0.2825, 0.3397



18.1878, 0.3191, 0.3135



12.5996, 0.4320, 0.2153



1.2473, 0.4160, 0.2065

Previews

White Background



This preview shows how the Yxy color 65.7841, 0.3310, 0.2889 looks on a white background.

Color Contrast Check

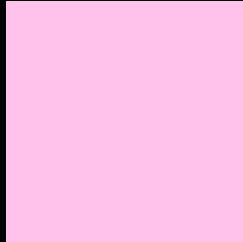
Large Text (above 18pt) WCAG AA × Fail

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 65.7841, 0.3310, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

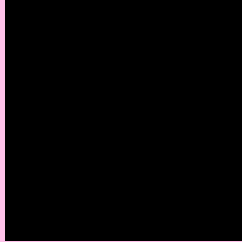
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7841, 0.3310, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 65.7841, 0.3310, 0.2889.



This preview shows how white text looks on a background with the Yxy color 65.7841, 0.3310, 0.2889.

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

65.7841, 0.3310, 0.2889

Protanopia

66.3029, 0.2870, 0.2917

Deuteranopia

65.8161, 0.3081, 0.3010



Tritanopia

65.8877, 0.3444, 0.3136

Trichromacy



Original Color

65.7841, 0.3310, 0.2889



Protanomaly

65.8608, 0.3020, 0.2906



Deuteranomaly

65.7864, 0.3158, 0.2964



Tritanomaly

66.0356, 0.3391, 0.3045

Monochromacy



Original Color

65.7841, 0.3310, 0.2889



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.9176, 0.3194, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7841, 0.3310, 0.2889 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, 194, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 234)  
}
```

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, 194, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 234) }
```

Border

The CSS property to change the border of an element to Yxy 65.7841, 0.3310, 0.2889 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, 194, 234) }
```

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

```
.border{ border-color:rgb(255, 194, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7841, 0.3310, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 234) }
```

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

```
.background{ background-color: rgb(255,  
194, 234) }
```

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