

Converting Colors

$Y_{xy}(65.0506, 0.3400, 0.3000)$

Have a look what the booklet for
Yxy(65.0506, 0.3400, 0.3000)
contains.

Yxy(65.1175, 0.3403, 0.3006)	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(65.1175, 0.3403, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	FFC2DE
RGB	255, 194, 222
RGB Percent	100%, 76%, 87%
CMY	0.0000, 0.2392, 0.1294
CMYK	0.00, 0.24, 0.13, 0.00
HSL	332°, 100%, 88%
HSV	332°, 24%, 100%
XYZ	73.7175, 65.1175, 77.7901
YIQ	215.4310, 27.3680, 21.6400

Conversions

Conversions Part 2

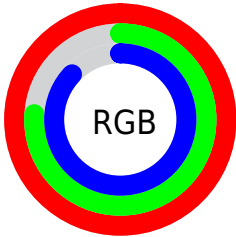
Format	Color
R _Y B	255, 194, 222
Decimal	16761566
CIE Lab	84.54, 26.01, -5.44
CIE LCh	85, 26.572, 348.184
Yxy	65.1175, 0.3403, 0.3006
Android (android.graphics.Color)	4294951646 (0xFFFFC2DE)
YUV	215.4310, 3.2385, 34.7020
Hunter-Lab	80.6954, 21.8478, -0.6685

Details

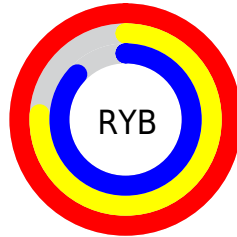
The Yxy color $65.1175, 0.3403, 0.3006$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.5362, 0.2917, 0.3593$, and the grayscale version is $68.2271, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.4744, 0.3129, 0.3252$, and $33.5520, 0.3473, 0.2940$ is the 20% darker color. If you saturate the color by 10%, you get $54.0161, 0.3560, 0.2881$, and if you desaturate by 10%, it is $78.2310, 0.3272, 0.3129$.

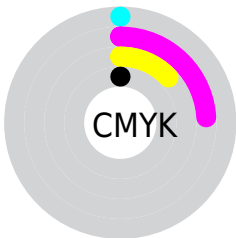
Distribution



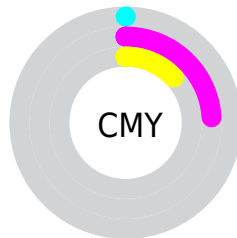
- Red (100%)
- Green (76%)
- Blue (87%)



- Red (100%)
- Yellow (76%)
- Blue (87%)



- Cyan (0%)
- Magenta (24%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1175, 0.3403, 0.3006 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 65.1175, 0.3403, 0.3006 by changing the saturation by 10% instead.

 65.1175, 0.3403,
0.3006

 65.1175, 0.3403,
0.3006


443.2141, 0.3274,
0.3137

 47.5564, 0.3433,
0.2976


 112.2188, 0.3358,
0.3052

 33.4757, 0.3470,
0.2939


142.5277, 0.3341,
0.3069

 22.4911, 0.3517,
0.2892


177.8547, 0.3326,
0.3084

 14.2182, 0.3578,
0.2831

218.5841, 0.3313,
0.3098

 8.2726, 0.3664,
0.2748

265.1003, 0.3301,
0.3109

 4.2699, 0.3788,
0.2628


317.7878, 0.3291,


 1.8256, 0.3986,


0.3120


0.2442


377.0309, 0.3282,
0.3129


 0.5031, 0.4441,
0.1954


 0.0000, 1.0000,
0.0000


 65.1175, 0.3403,
0.3006


 65.1175, 0.3403,
0.3006

 54.0161, 0.3560,
0.2881


 78.2310, 0.3272,
0.3129

 44.8197, 0.3747,
0.2760

 93.4442, 0.3164,
0.3246

 37.4208, 0.3964,
0.2651

100.0000, 0.3127,
0.3290

 31.6983, 0.4210,
0.2565

■ 27.5162, 0.4478,
0.2516

■ 24.7168, 0.4754,
0.2516

■ 23.1077, 0.5023,
0.2571

■ 22.5453, 0.5178,
0.2626

Harmonies

Analogous

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



65.1175, 0.3066, 0.2821



65.1175, 0.3403, 0.3006



65.1175, 0.3674, 0.3261

Triad

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



65.1175, 0.3403, 0.3006



65.1175, 0.3482, 0.3882



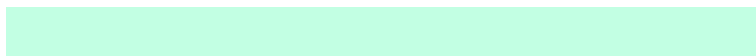
65.1175, 0.2507, 0.2990

Complementary

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



65.1175, 0.3403, 0.3006



88.5362, 0.2917, 0.3593

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.



65.1175, 0.2606, 0.3282



65.1175, 0.3403, 0.3006



65.1175, 0.3160, 0.3826

Square

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



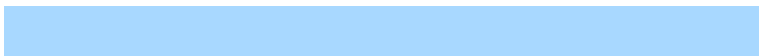
65.1175, 0.3403, 0.3006



65.1175, 0.3716, 0.3766



65.1175, 0.2841, 0.3599



65.1175, 0.2562, 0.2800

Rectangle

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



65.1175, 0.3403, 0.3006



65.1175, 0.3772, 0.3446



65.1175, 0.2841, 0.3599



65.1175, 0.2523, 0.3079

Sweetspot

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



65.1195, 0.3403, 0.3006



88.5288, 0.3195, 0.3211



62.0611, 0.2945, 0.2653



18.7478, 0.3201, 0.3204



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.



65.1195, 0.3403, 0.3006



59.2339, 0.3479, 0.2943



64.6521, 0.3624, 0.3313



18.1258, 0.3222, 0.3181



11.8097, 0.5138, 0.2604



1.1716, 0.4862, 0.2452

Inverse Universe

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



65.1195, 0.3403, 0.3006



59.2339, 0.3479, 0.2943



88.9195, 0.2771, 0.3268



18.1258, 0.3222, 0.3181



11.8097, 0.5138, 0.2604



1.1716, 0.4862, 0.2452

Previews

White Background



This preview shows how the Yxy color 65.1175, 0.3403, 0.3006 looks on a white background.

Color Contrast Check

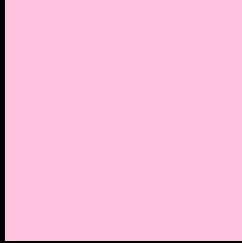
Large Text (above 18pt) WCAG AA × Fail

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 65.1175, 0.3403, 0.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

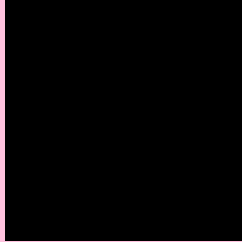
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1175, 0.3403, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 65.1175, 0.3403, 0.3006.



This preview shows how white text looks on a background with the Yxy color 65.1175, 0.3403, 0.3006.

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

65.1175, 0.3403, 0.3006

Protanopia

65.4747, 0.2972, 0.3045

Deuteranopia

65.3239, 0.3196, 0.3127



Tritanopia

65.2538, 0.3479, 0.3137

Trichromacy



Original Color

65.1175, 0.3403, 0.3006

Protanomaly

64.9559, 0.3124, 0.3031

Deuteranomaly

65.1709, 0.3269, 0.3078

Tritanomaly

65.0073, 0.3449, 0.3086

Monochromacy



Original Color

65.1175, 0.3403, 0.3006

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.5106, 0.3223, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1175, 0.3403, 0.3006 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 222) }
```

Border

The CSS property to change the border of an element to Yxy 65.1175, 0.3403, 0.3006 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, 222) }
```

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

```
.border{ border-color:rgb(255, 194, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1175, 0.3403, 0.3006 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
194, 222) }
```

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