

Converting Colors

$Y_{xy}(85.3456, 0.3432, 0.2976)$

Have a look what the booklet for
Yxy(85.3456, 0.3432, 0.2976)
contains.

Yxy(77.4000, 0.3165, 0.2938)	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(77.4000, 0.3165, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	FFD8FC
RGB	255, 216, 252
RGB Percent	100%, 85%, 99%
CMY	0.0000, 0.1530, 0.0116
CMYK	0.00, 0.15, 0.01, 0.00
HSL	305°, 100%, 92%
HSV	305°, 15%, 100%
XYZ	83.3802, 77.4000, 102.6643
YIQ	231.7650, 11.6880, 19.4640

Conversions

Conversions Part 2

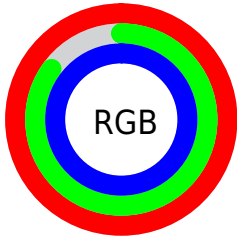
Format	Color
R _{YB}	255, 216, 252
Decimal	16767228
CIE _{Lab}	90.51, 19.57, -12.49
CIE _{LCh}	91, 23.213, 327.455
Yxy	77.4000, 0.3165, 0.2938
Android (android.graphics.Color)	4294957308 (0xFFFFD8FC)
YUV	231.7650, 9.9759, 20.3771
Hunter-Lab	87.9773, 15.2126, -7.6039

Details

The Yxy color $77.4000, 0.3165, 0.2938$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.2295, 0.3091, 0.3669$, and the grayscale version is $80.4252, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.4356, 0.3175, 0.2867$ is the 20% darker color. If you saturate the color by 10%, you get $65.2067, 0.3193, 0.2703$, and if you desaturate by 10%, it is $91.6142, 0.3139, 0.3170$.

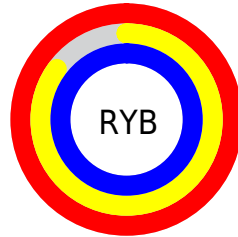
Distribution



Red (100%)

Green (85%)

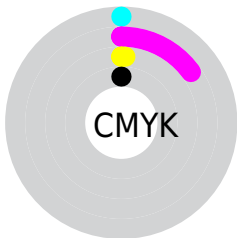
Blue (99%)



Red (100%)

Yellow (85%)

Blue (99%)

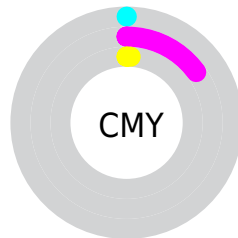


Cyan (0%)

Magenta (15%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4000, 0.3165, 0.2938 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 77.4000, 0.3165, 0.2938 by changing the saturation by 10% instead.


 77.4000, 0.3165,
0.2938

 77.4000, 0.3165,
0.2938


486.1268, 0.3150,
0.3094

 57.5812, 0.3168,
0.2904


129.7040, 0.3160,
0.2991

 41.4721, 0.3171,
0.2862


162.9580, 0.3158,
0.3012

 28.6881, 0.3176,
0.2810

201.4591, 0.3156,
0.3030

 18.8450, 0.3180,
0.2745

245.5919, 0.3155,
0.3046

 11.5584, 0.3186,
0.2658

295.7407, 0.3153,
0.3060

 6.4437, 0.3192,
0.2540

352.2898, 0.3152,

 3.1167, 0.3198,

0.3073

0.2367

415.6237, 0.3151,
0.3084

■ 1.1930, 0.3199,
0.2094

■ 0.0560, 0.3491,
0.0368

■ 77.4000, 0.3165,
0.2938

■ 77.4000, 0.3165,
0.2938

■ 65.2067, 0.3193,
0.2703

■ 91.6142, 0.3139,
0.3170

■ 54.9526, 0.3223,
0.2471

100.0000, 0.3127,
0.3290

■ 46.5336, 0.3254,
0.2253

■ 39.8398, 0.3286,
0.2058

■ 34.7502, 0.3318,
0.1895

■ 31.1277, 0.3349,
0.1773

■ 28.8127, 0.3377,
0.1695

■ 27.6079, 0.3403,
0.1660

■ 27.2921, 0.3414,
0.1655

Harmonies

Analogous

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



77.4000, 0.2896, 0.2844



77.4000, 0.3165, 0.2938



77.4000, 0.3434, 0.3116

Triad

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



77.4000, 0.3165, 0.2938



77.4000, 0.3566, 0.3727



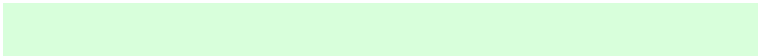
77.4000, 0.2656, 0.3206

Complementary

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



77.4000, 0.3165, 0.2938



91.2295, 0.3091, 0.3669

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.



77.4000, 0.2821, 0.3467



77.4000, 0.3165, 0.2938



77.4000, 0.3345, 0.3777

Square

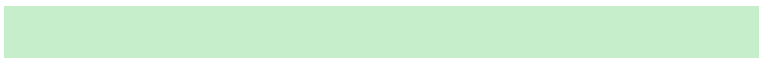
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



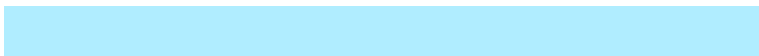
77.4000, 0.3165, 0.2938



77.4000, 0.3670, 0.3563



77.4000, 0.3071, 0.3683



77.4000, 0.2612, 0.2985

Rectangle

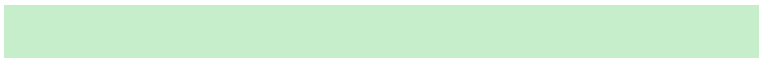
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4000, 0.3165, 0.2938



77.4000, 0.3573, 0.3263



77.4000, 0.3071, 0.3683



77.4000, 0.2698, 0.3293

Sweetspot

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



77.3961, 0.3165, 0.2938



92.0708, 0.3139, 0.3177



71.3224, 0.2895, 0.2880



19.4776, 0.3140, 0.3161



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.



77.3961, 0.3165, 0.2938



73.9070, 0.3172, 0.2874



76.2430, 0.3296, 0.3122



18.2751, 0.3150, 0.3073



14.2708, 0.3411, 0.1652



1.3963, 0.3385, 0.1638

Inverse Universe

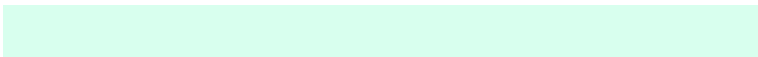
The Inverse Universe completely reimagines the original color for something new.



77.3961, 0.3165, 0.2938



73.9070, 0.3172, 0.2874



92.2958, 0.2985, 0.3465



18.2751, 0.3150, 0.3073



14.2708, 0.3411, 0.1652



1.3963, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 77.4000, 0.3165, 0.2938 looks on a white background.

Color Contrast Check

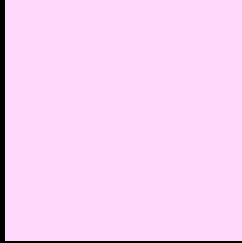
Large Text (above 18pt) WCAG AA × Fail

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 77.4000, 0.3165, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

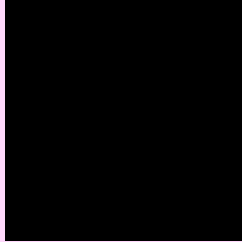
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4000, 0.3165, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 77.4000, 0.3165, 0.2938.

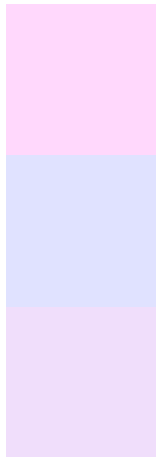


This preview shows how white text looks on a background with the Yxy color 77.4000, 0.3165, 0.2938.

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

77.4000, 0.3165, 0.2938

Protanopia

77.4600, 0.2934, 0.2991

Deuteranopia

77.7329, 0.3065, 0.2998



Tritanopia

77.6018, 0.3257, 0.3121

Trichromacy



Original Color

77.4000, 0.3165, 0.2938

Protanomaly

77.0605, 0.3012, 0.2966

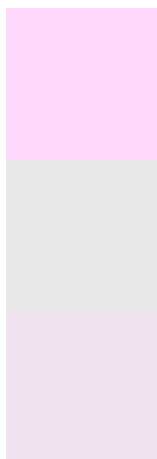
Deuteranomaly

77.5639, 0.3100, 0.2981

Tritanomaly

77.6244, 0.3224, 0.3053

Monochromacy



Original Color

77.4000, 0.3165, 0.2938

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

79.1500, 0.3140, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4000, 0.3165, 0.2938 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, 216, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 252)  
}
```

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, 216, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.4000, 0.3165, 0.2938 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, 216, 252) }
```

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

```
.border{ border-color:rgb(255, 216, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4000, 0.3165, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 252) }
```

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

```
.background{ background-color: rgb(255,  
216, 252) }
```

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