

Converting Colors

$Y_{xy}(77.9573, 0.3912, 0.2917)$

Have a look what the booklet for
Yxy(77.9573, 0.3912, 0.2917)
contains.

Yxy(61.6711, 0.3351, 0.2836)	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(61.6711, 0.3351, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	FFB9E6
RGB	255, 185, 230
RGB Percent	100%, 73%, 90%
CMY	0.0000, 0.2745, 0.0981
CMYK	0.00, 0.27, 0.10, 0.00
HSL	321°, 100%, 86%
HSV	321°, 27%, 100%
XYZ	72.8702, 61.6711, 82.9168
YIQ	211.0600, 27.2750, 28.8350

Conversions

Conversions Part 2

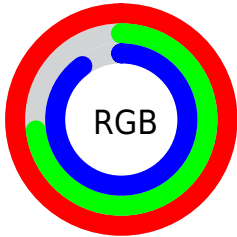
Format	Color
R_{YB}	255, 185, 230
Decimal	16759270
CIE _{Lab}	82.74, 32.03, -12.40
CIE _{LCh}	83, 34.343, 338.835
Yxy	61.6711, 0.3351, 0.2836
Android (android.graphics.Color)	4294949350 (0xFFFFB9E6)
YUV	211.0600, 9.3374, 38.5354
Hunter-Lab	78.5309, 28.2040, -7.6296

Details

The Yxy color $61.6711, 0.3351, 0.2836$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.4894, 0.2956, 0.3793$, and the grayscale version is $65.1083, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.9843, 0.3133, 0.3165$, and $31.1589, 0.3403, 0.2734$ is the 20% darker color. If you saturate the color by 10%, you get $51.4453, 0.3460, 0.2666$, and if you desaturate by 10%, it is $73.8425, 0.3257, 0.3006$.

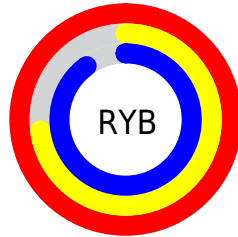
Distribution



Red (100%)

Green (73%)

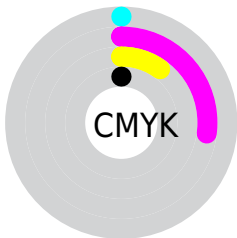
Blue (90%)



Red (100%)

Yellow (73%)

Blue (90%)

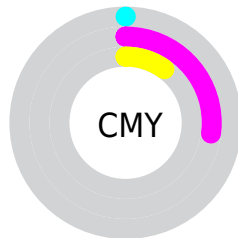


Cyan (0%)

Magenta (27%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6711, 0.3351, 0.2836 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 61.6711, 0.3351, 0.2836 by changing the saturation by 10% instead.


 61.6711, 0.3351,
0.2836

 61.6711, 0.3351,
0.2836

430.7304, 0.3248,
0.3044

 44.7670, 0.3374,
0.2789


 107.2500, 0.3316,
0.2908

 31.2739, 0.3403,
0.2731


136.6937, 0.3302,
0.2936

 20.8075, 0.3439,
0.2659


171.0859, 0.3290,
0.2960

 12.9834, 0.3485,
0.2565

210.8112, 0.3279,
0.2981

 7.4171, 0.3548,
0.2439

256.2539, 0.3270,
0.2999

 3.7243, 0.3637,
0.2261


307.7984, 0.3262,


 1.5206, 0.3772,


0.3016


0.1991


365.8291, 0.3255,
0.3031


 0.3031, 0.4180,
0.1161

 0.0000, 1.0000,
0.0000


 61.6711, 0.3351,
0.2836

 61.6711, 0.3351,
0.2836

 51.4453, 0.3460,
0.2666


 73.8425, 0.3257,
0.3006

 43.0540, 0.3585,
0.2505

 88.0462, 0.3178,
0.3172

 36.3878, 0.3725,
0.2362

100.0000, 0.3127,
0.3290

 31.3221, 0.3878,
0.2248

■ 27.7154, 0.4038,
0.2176

■ 25.4010, 0.4199,
0.2154

■ 24.1619, 0.4356,
0.2183

■ 23.9359, 0.4396,
0.2195

Harmonies

Analogous

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



61.6711, 0.2909, 0.2639



61.6711, 0.3351, 0.2836



61.6711, 0.3754, 0.3138

Triad

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



61.6711, 0.3351, 0.2836



61.6711, 0.3700, 0.4041



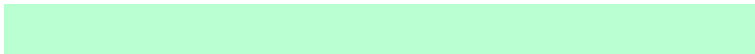
61.6711, 0.2343, 0.2995

Complementary

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



61.6711, 0.3351, 0.2836



86.4894, 0.2956, 0.3793

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.



61.6711, 0.2525, 0.3408



61.6711, 0.3351, 0.2836



61.6711, 0.3299, 0.4056

Square

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



61.6711, 0.3351, 0.2836



61.6711, 0.3956, 0.3819



61.6711, 0.2869, 0.3818



61.6711, 0.2353, 0.2706

Rectangle

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



61.6711, 0.3351, 0.2836



61.6711, 0.3931, 0.3370



61.6711, 0.2869, 0.3818



61.6711, 0.2383, 0.3124

Sweetspot

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



61.6739, 0.3351, 0.2836



87.2072, 0.3182, 0.3163



55.5505, 0.2818, 0.2531



18.1837, 0.3193, 0.3138



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.



61.6739, 0.3351, 0.2836



55.7616, 0.3410, 0.2741



59.9244, 0.3638, 0.3182



18.1837, 0.3193, 0.3138



12.5366, 0.4371, 0.2182



1.2415, 0.4203, 0.2089

Inverse Universe

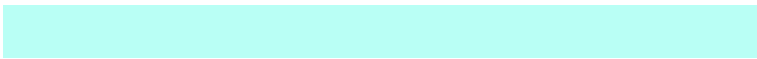
The Inverse Universe completely reimagines the original color for something new.



61.6739, 0.3351, 0.2836



55.7616, 0.3410, 0.2741



88.3974, 0.2778, 0.3402



18.1837, 0.3193, 0.3138



12.5366, 0.4371, 0.2182



1.2415, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 61.6711, 0.3351, 0.2836 looks on a white background.

Color Contrast Check

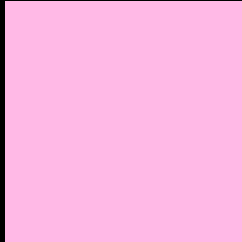
Large Text (above 18pt) WCAG AA × Fail

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 61.6711, 0.3351, 0.2836 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 61.6711, 0.3351, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 61.6711, 0.3351, 0.2836.



This preview shows how white text looks on a background with the Yxy color 61.6711, 0.3351, 0.2836.

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

61.6711, 0.3351, 0.2836

Protanopia

62.2758, 0.2832, 0.2864

Deuteranopia

62.0711, 0.3065, 0.3002



Tritanopia

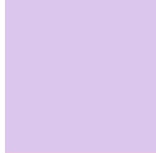
61.8820, 0.3530, 0.3145

Trichromacy



Original Color

61.6711, 0.3351, 0.2836



Protanomaly

61.6213, 0.3004, 0.2855



Deuteranomaly

61.6206, 0.3167, 0.2936



Tritanomaly

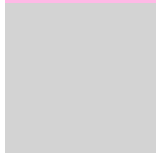
61.6532, 0.3468, 0.3033

Monochromacy



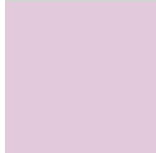
Original Color

61.6711, 0.3351, 0.2836



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

63.6339, 0.3205, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6711, 0.3351, 0.2836 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, 185, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 230)  
}
```

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, 185, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 230) }
```

Border

The CSS property to change the border of an element to Yxy 61.6711, 0.3351, 0.2836 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, 185, 230) }
```

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

```
.border{ border-color:rgb(255, 185, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6711, 0.3351, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 230) }
```

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

```
.background{ background-color: rgb(255,  
185, 230) }
```

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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