

Converting Colors

$Y_{xy}(49.1345, 0.3916, 0.2912)$

Have a look what the booklet for
Yxy(49.1345, 0.3916, 0.2912)
contains.

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Color

Yxy(46.7035, 0.3796, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	FF96BC
RGB	255, 150, 188
RGB Percent	100%, 59%, 74%
CMY	0.0000, 0.4117, 0.2629
CMYK	0.00, 0.41, 0.26, 0.00
HSL	338°, 100%, 79%
HSV	338°, 41%, 100%
XYZ	61.2177, 46.7035, 53.3478
YIQ	185.7270, 50.3820, 34.0780

Conversions

Conversions Part 2

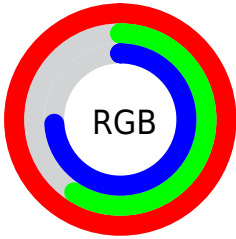
Format	Color
R_{YB}	255, 150, 188
Decimal	16750268
CIE _{Lab}	74.00, 43.87, -2.50
CIE _{LCh}	74, 43.942, 356.741
Yxy	46.7035, 0.3796, 0.2896
Android (android.graphics.Color)	4294940348 (0xFFFF96BC)
YUV	185.7270, 1.1206, 60.7524
Hunter-Lab	68.3400, 40.3022, 1.5548

Details

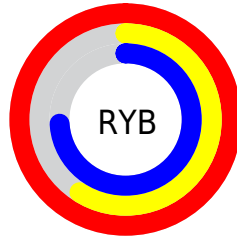
The Yxy color **46.7035, 0.3796, 0.2896** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.0104, 0.2737, 0.3733**, and the grayscale version is **48.9160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9343, 0.3226, 0.2914**, and **22.0344, 0.3978, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **38.7702, 0.4049, 0.2807**, and if you desaturate by 10%, it is **56.4909, 0.3582, 0.2994**.

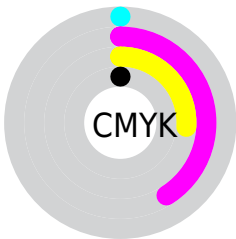
Distribution



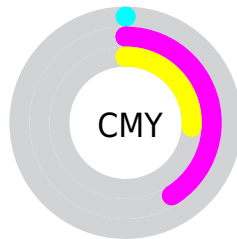
- Red (100%)
- Green (59%)
- Blue (74%)



- Red (100%)
- Yellow (59%)
- Blue (74%)



- Cyan (0%)
- Magenta (41%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7035, 0.3796, 0.2896 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 46.7035, 0.3796, 0.2896 by changing the saturation by 10% instead.


 46.7035, 0.3796,
0.2896

 46.7035, 0.3796,
0.2896


373.6298, 0.3464,
0.3090

 32.8013, 0.3878,
0.2849


 85.2709, 0.3676,
0.2966

 21.9743, 0.3983,
0.2789


 110.7049, 0.3631,
0.2992

 13.8380, 0.4121,
0.2710


140.7516, 0.3592,
0.3015

 8.0081, 0.4312,
0.2602

175.7954, 0.3559,
0.3034

 4.1001, 0.4590,
0.2446

216.2207, 0.3531,
0.3051

 1.7297, 0.5032,
0.2204

262.4120, 0.3506,

 0.4428, 0.6035,

0.3065

0.1597

314.7535, 0.3483,
0.3078

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7035, 0.3796,
0.2896

■ 46.7035, 0.3796,
0.2896

■ 38.7702, 0.4049,
0.2807

■ 56.4909, 0.3582,
0.2994

■ 32.5657, 0.4341,
0.2737

■ 68.2338, 0.3404,
0.3093

■ 27.9597, 0.4664,
0.2699

■ 82.0340, 0.3259,
0.3189

■ 24.8000, 0.5000,
0.2704

■ 97.9845, 0.3140,
0.3280

■ 22.9045, 0.5324,
0.2761

99.9979, 0.3127,
0.3290

■ 22.0340, 0.5581,
0.2848

Harmonies

Analogous

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



46.7035, 0.3176, 0.2547



46.7035, 0.3796, 0.2896



46.7035, 0.4241, 0.3342

Triad

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



46.7035, 0.3796, 0.2896



46.7035, 0.3585, 0.4412



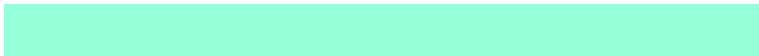
46.7035, 0.2040, 0.2601

Complementary

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



46.7035, 0.3796, 0.2896



83.0104, 0.2737, 0.3733

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.



46.7035, 0.2123, 0.3076



46.7035, 0.3796, 0.2896



46.7035, 0.2986, 0.4235

Square

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



46.7035, 0.3796, 0.2896



46.7035, 0.4087, 0.4218



46.7035, 0.2456, 0.3703



46.7035, 0.2204, 0.2364

Rectangle

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



46.7035, 0.3796, 0.2896



46.7035, 0.4351, 0.3658



46.7035, 0.2456, 0.3703



46.7035, 0.2040, 0.2735

Sweetspot

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



46.7058, 0.3796, 0.2896



80.8116, 0.3270, 0.3181



43.7127, 0.2855, 0.2173



16.8904, 0.3287, 0.3169



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.



46.7058, 0.3796, 0.2896



40.3426, 0.3991, 0.2825



50.0163, 0.4128, 0.3440



18.0956, 0.3237, 0.3204



11.5403, 0.5538, 0.2825



1.1437, 0.5225, 0.2652

Inverse Universe

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



46.7058, 0.3796, 0.2896



40.3426, 0.3991, 0.2825



76.6114, 0.2536, 0.3129



18.0956, 0.3237, 0.3204



11.5403, 0.5538, 0.2825



1.1437, 0.5225, 0.2652

Previews

White Background



This preview shows how the Yxy color 46.7035, 0.3796, 0.2896 looks on a white background.

Color Contrast Check

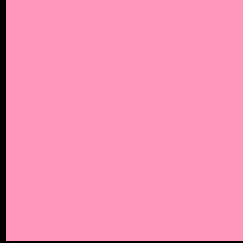
Large Text (above 18pt) WCAG AA × Fail

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 46.7035, 0.3796, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

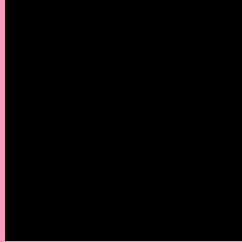
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7035, 0.3796, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 46.7035, 0.3796, 0.2896.



This preview shows how white text looks on a background with the Yxy color 46.7035, 0.3796, 0.2896.

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

46.7035, 0.3796, 0.2896

Protanopia

47.0177, 0.2905, 0.2960

Deuteranopia

47.0053, 0.3271, 0.3216



Tritanopia

46.7470, 0.3991, 0.3165

Trichromacy



Original Color

46.7035, 0.3796, 0.2896



Protanomaly

46.0414, 0.3197, 0.2929



Deuteranomaly

46.2003, 0.3451, 0.3078



Tritanomaly

46.9093, 0.3922, 0.3071

Monochromacy



Original Color

46.7035, 0.3796, 0.2896



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.3239, 0.3350, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7035, 0.3796, 0.2896 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, 150, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 188)  
}
```

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, 150, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.7035, 0.3796, 0.2896 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, 150, 188) }
```

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

```
.border{ border-color:rgb(255, 150, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 150, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 150, 188); box-shadow:4px 4px 4px 4px rgb(255, 150, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7035, 0.3796, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 188) }
```

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

```
.background{ background-color: rgb(255,  
150, 188) }
```

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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