

Converting Colors

$Y_{xy}(47.2134, 0.3672, 0.2770)$

Have a look what the booklet for
Yxy(47.2134, 0.3672, 0.2770)
contains.

Yxy(47.2428, 0.3675, 0.2774)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2428, 0.3675, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	FF96C8
RGB	255, 150, 200
RGB Percent	100%, 59%, 78%
CMY	0.0000, 0.4119, 0.2156
CMYK	0.00, 0.41, 0.22, 0.00
HSL	331°, 100%, 79%
HSV	331°, 41%, 100%
XYZ	62.5873, 47.2428, 60.4756
YIQ	187.0950, 46.5300, 37.8100

Conversions

Conversions Part 2

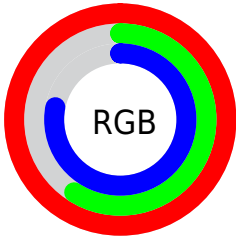
Format	Color
R _Y B	255, 150, 200
Decimal	16750280
CIE Lab	74.34, 45.58, -8.63
CIE LCh	74, 46.390, 349.274
Yxy	47.2428, 0.3675, 0.2774
Android (android.graphics.Color)	4294940360 (0xFFFF96C8)
YUV	187.0950, 6.3622, 59.5527
Hunter-Lab	68.7334, 42.2553, -4.0533

Details

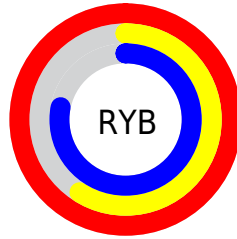
The Yxy color $47.2428, 0.3675, 0.2774$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $82.4070, 0.2796, 0.3882$, and the grayscale version is $49.6854, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.6226, 0.3150, 0.2811$, and $22.1768, 0.3821, 0.2637$ is the 20% darker color. If you saturate the color by 10%, you get $39.3681, 0.3876, 0.2656$, and if you desaturate by 10%, it is $56.9275, 0.3502, 0.2901$.

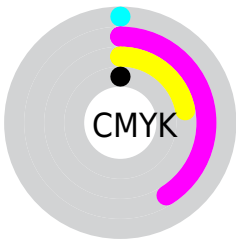
Distribution



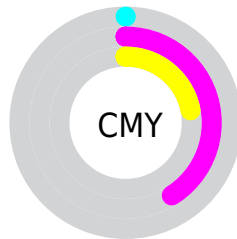
- Red (100%)
- Green (59%)
- Blue (78%)



- Red (100%)
- Yellow (59%)
- Blue (78%)



- Cyan (0%)
- Magenta (41%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2428, 0.3675, 0.2774 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 47.2428, 0.3675, 0.2774 by changing the saturation by 10% instead.

 47.2428, 0.3675,
0.2774

 47.2428, 0.3675,
0.2774


375.7829, 0.3407,
0.3021

 33.2276, 0.3740,
0.2715


 86.0759, 0.3579,
0.2862

 22.3009, 0.3822,
0.2642

 111.6627, 0.3543,
0.2895

 14.0782, 0.3930,
0.2547


141.8754, 0.3512,
0.2924

 8.1750, 0.4076,
0.2421

177.0986, 0.3485,
0.2949

 4.2072, 0.4287,
0.2243

217.7165, 0.3462,
0.2970

 1.7901, 0.4613,
0.1979

264.1136, 0.3441,

 0.4810, 0.5267,

0.2989

0.1407

316.6742, 0.3423,
0.3006

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.2428, 0.3675,
0.2774

47.2428, 0.3675,
0.2774

39.3681, 0.3876,
0.2656

56.9275, 0.3502,
0.2901

33.2083, 0.4105,
0.2559

68.5514, 0.3358,
0.3031

28.6247, 0.4357,
0.2494

82.2058, 0.3237,
0.3157

25.4666, 0.4621,
0.2476

97.9825, 0.3138,
0.3276

■ 23.5532, 0.4883,
0.2512

100.0000, 0.3127,
0.3290

■ 22.6531, 0.5103,
0.2585

Harmonies

Analogous

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



47.2428, 0.3014, 0.2447



47.2428, 0.3675, 0.2774



47.2428, 0.4212, 0.3219

Triad

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



47.2428, 0.3675, 0.2774



47.2428, 0.3750, 0.4450



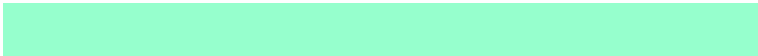
47.2428, 0.1988, 0.2666

Complementary

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



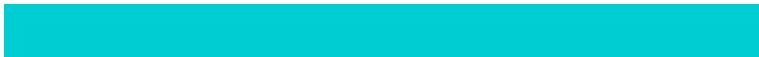
47.2428, 0.3675, 0.2774



82.4070, 0.2796, 0.3882

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.



47.2428, 0.2139, 0.3218



47.2428, 0.3675, 0.2774



47.2428, 0.3132, 0.4376

Square

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



47.2428, 0.3675, 0.2774



47.2428, 0.4229, 0.4166



47.2428, 0.2544, 0.3888



47.2428, 0.2096, 0.2358

Rectangle

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



47.2428, 0.3675, 0.2774



47.2428, 0.4391, 0.3546



47.2428, 0.2544, 0.3888



47.2428, 0.2009, 0.2826

Sweetspot

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



47.2353, 0.3675, 0.2774



81.0175, 0.3246, 0.3147



41.8951, 0.2756, 0.2141



16.9387, 0.3261, 0.3130



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.



47.2353, 0.3675, 0.2774



40.9384, 0.3829, 0.2681



45.8281, 0.4186, 0.3312



18.1312, 0.3219, 0.3177



11.8665, 0.5064, 0.2563



1.1773, 0.4797, 0.2416

Inverse Universe

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



47.2353, 0.3675, 0.2774



40.9384, 0.3829, 0.2681



84.1098, 0.2558, 0.3269



18.1312, 0.3219, 0.3177



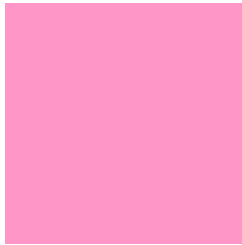
11.8665, 0.5064, 0.2563



1.1773, 0.4797, 0.2416

Previews

White Background



This preview shows how the Yxy color 47.2428, 0.3675, 0.2774 looks on a white background.

Color Contrast Check

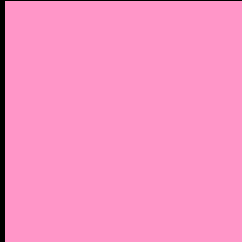
Large Text (above 18pt) WCAG AA × Fail

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 47.2428, 0.3675, 0.2774 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 47.2428, 0.3675, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 47.2428, 0.3675, 0.2774.



This preview shows how white text looks on a background with the Yxy color 47.2428, 0.3675, 0.2774.

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

47.2428, 0.3675, 0.2774

Protanopia

47.7903, 0.2785, 0.2805

Deuteranopia

47.5167, 0.3146, 0.3080



Tritanopia

47.2995, 0.3954, 0.3165

Trichromacy



Original Color

47.2428, 0.3675, 0.2774



Protanomaly

46.3909, 0.3073, 0.2780



Deuteranomaly

46.7882, 0.3323, 0.2951



Tritanomaly

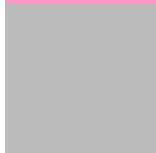
47.2891, 0.3848, 0.3017

Monochromacy



Original Color

47.2428, 0.3675, 0.2774



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.0749, 0.3314, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2428, 0.3675, 0.2774 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 200) }
```

Border

The CSS property to change the border of an element to Yxy 47.2428, 0.3675, 0.2774 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, 200) }
```

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

```
.border{ border-color:rgb(255, 150, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2428, 0.3675, 0.2774 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
150, 200) }
```

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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