

Converting Colors

$Y_{xy}(48.5276, 0.3604, 0.2739)$

Have a look what the booklet for
Yxy(48.5276, 0.3604, 0.2739)
contains.

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Color

Yxy(48.5475, 0.3600, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	FF99CF
RGB	255, 153, 207
RGB Percent	100%, 60%, 81%
CMY	0.0000, 0.4000, 0.1881
CMYK	0.00, 0.40, 0.19, 0.00
HSL	328°, 100%, 80%
HSV	328°, 40%, 100%
XYZ	63.9016, 48.5475, 65.0554
YIQ	189.6540, 43.4580, 38.4180

Conversions

Conversions Part 2

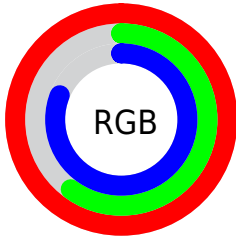
Format	Color
R _{YB}	255, 153, 207
Decimal	16751055
CIE _{Lab}	75.17, 45.05, -11.26
CIE _{LCh}	75, 46.437, 345.964
Yxy	48.5475, 0.3600, 0.2735
Android (android.graphics.Color)	4294941135 (0xFFFF99CF)
YUV	189.6540, 8.5516, 57.3084
Hunter-Lab	69.6760, 41.7738, -6.5849

Details

The Yxy color **48.5475, 0.3600, 0.2735** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.5065, 0.2831, 0.3930**, and the grayscale version is **51.2129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **22.9594, 0.3715, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **40.5082, 0.3775, 0.2603**, and if you desaturate by 10%, it is **58.4126, 0.3449, 0.2876**.

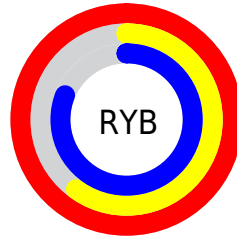
Distribution



Red (100%)

Green (60%)

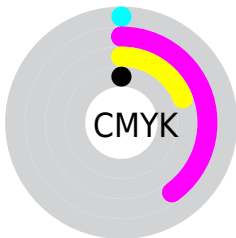
Blue (81%)



Red (100%)

Yellow (60%)

Blue (81%)

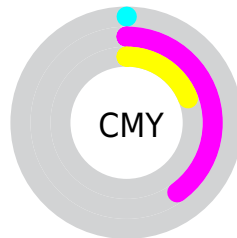


Cyan (0%)

Magenta (40%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5475, 0.3600, 0.2735 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 48.5475, 0.3600, 0.2735 by changing the saturation by 10% instead.


 48.5475, 0.3600,
0.2735

 48.5475, 0.3600,
0.2735


380.9582, 0.3372,
0.2998

 34.2607, 0.3655,
0.2674


 88.0190, 0.3519,
0.2827

 23.0939, 0.3723,
0.2597


 113.9725, 0.3488,
0.2863

 14.6629, 0.3812,
0.2499


144.5836, 0.3461,
0.2894

 8.5831, 0.3932,
0.2369

180.2368, 0.3439,
0.2920

 4.4703, 0.4102,
0.2189

221.3165, 0.3419,
0.2943

 1.9400, 0.4361,
0.1927

268.2070, 0.3401,

 0.5722, 0.4837,

0.2964

0.1438

321.2928, 0.3386,
0.2982

■ 0.0000, 0.7426,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5475, 0.3600,
0.2735

■ 48.5475, 0.3600,
0.2735

■ 40.5082, 0.3775,
0.2603

■ 58.4126, 0.3449,
0.2876

■ 34.1822, 0.3973,
0.2490

■ 70.2122, 0.3322,
0.3019

■ 29.4396, 0.4191,
0.2409

■ 84.0425, 0.3216,
0.3158

■ 26.1326, 0.4421,
0.2373

99.9945, 0.3127,
0.3290

■ 24.0856, 0.4651,
0.2390

100.0000, 0.3127,
0.3290

■ 23.0120, 0.4873,
0.2458

Harmonies

Analogous

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



48.5475, 0.2946, 0.2427



48.5475, 0.3600, 0.2735



48.5475, 0.4158, 0.3168

Triad

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



48.5475, 0.3600, 0.2735



48.5475, 0.3808, 0.4424



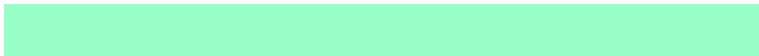
48.5475, 0.2000, 0.2721

Complementary

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



48.5475, 0.3600, 0.2735



82.5065, 0.2831, 0.3930

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.



48.5475, 0.2179, 0.3291



48.5475, 0.3600, 0.2735



48.5475, 0.3202, 0.4396

Square

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



48.5475, 0.3600, 0.2735



48.5475, 0.4258, 0.4115



48.5475, 0.2606, 0.3951



48.5475, 0.2079, 0.2387

Rectangle

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



48.5475, 0.3600, 0.2735



48.5475, 0.4364, 0.3491



48.5475, 0.2606, 0.3951



48.5475, 0.2030, 0.2888

Sweetspot

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



48.5464, 0.3600, 0.2735



81.1143, 0.3235, 0.3131



42.3613, 0.2729, 0.2164



16.9615, 0.3249, 0.3113



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.



48.5464, 0.3600, 0.2735



41.9774, 0.3738, 0.2628



46.4534, 0.4113, 0.3257



18.1479, 0.3211, 0.3165



12.0547, 0.4838, 0.2439



1.1958, 0.4601, 0.2308

Inverse Universe

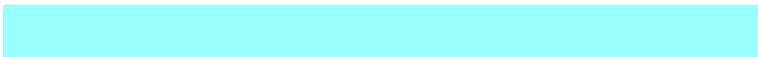
The Inverse Universe completely reimagines the original color for something new.



48.5464, 0.3600, 0.2735



41.9774, 0.3738, 0.2628



85.2944, 0.2590, 0.3326



18.1479, 0.3211, 0.3165



12.0547, 0.4838, 0.2439



1.1958, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 48.5475, 0.3600, 0.2735 looks on a white background.

Color Contrast Check

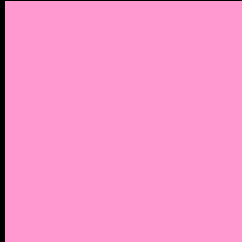
Large Text (above 18pt) WCAG AA × Fail

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 48.5475, 0.3600, 0.2735 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 48.5475, 0.3600, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 48.5475, 0.3600, 0.2735.



This preview shows how white text looks on a background with the Yxy color 48.5475, 0.3600, 0.2735.

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

48.5475, 0.3600, 0.2735

Protanopia

49.0571, 0.2755, 0.2763

Deuteranopia

48.6425, 0.3089, 0.3021



Tritanopia

48.6294, 0.3891, 0.3164

Trichromacy



Original Color

48.5475, 0.3600, 0.2735



Protanomaly

48.0336, 0.3026, 0.2741



Deuteranomaly

47.8608, 0.3261, 0.2896



Tritanomaly

48.3122, 0.3780, 0.2996

Monochromacy



Original Color

48.5475, 0.3600, 0.2735



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.7259, 0.3294, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5475, 0.3600, 0.2735 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, 153, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 207)  
}
```

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, 153, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 207) }
```

Border

The CSS property to change the border of an element to Yxy 48.5475, 0.3600, 0.2735 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, 153, 207) }
```

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

```
.border{ border-color:rgb(255, 153, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 153, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5475, 0.3600, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 207) }
```

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

```
.background{ background-color: rgb(255,  
153, 207) }
```

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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