

Converting Colors

$Y_{xy}(75.9590, 0.4303, 0.2865)$

Have a look what the booklet for
Yxy(75.9590, 0.4303, 0.2865)
contains.

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Color

Yxy(51.4636, 0.3486, 0.2699)

Conversions

Conversions Part 1

Format	Color
Hex	FFA0DA
RGB	255, 160, 218
RGB Percent	100%, 63%, 85%
CMY	0.0000, 0.3726, 0.1452
CMYK	0.00, 0.37, 0.15, 0.00
HSL	323°, 100%, 81%
HSV	323°, 37%, 100%
XYZ	66.4698, 51.4636, 72.7431
YIQ	195.0170, 38.0020, 38.1780

Conversions

Conversions Part 2

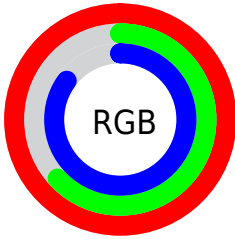
Format	Color
R _Y B	255, 160, 218
Decimal	16752858
CIE Lab	76.96, 43.13, -14.57
CIE LCh	77, 45.520, 341.338
Yxy	51.4636, 0.3486, 0.2699
Android (android.graphics.Color)	4294942938 (0xFFFFA0DA)
YUV	195.0170, 11.3306, 52.6051
Hunter-Lab	71.7381, 39.8496, -9.9039

Details

The Yxy color **51.4636, 0.3486, 0.2699** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.0254, 0.2886, 0.3972**, and the grayscale version is **54.4944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **24.8227, 0.3579, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **43.0038, 0.3623, 0.2545**, and if you desaturate by 10%, it is **61.7628, 0.3367, 0.2861**.

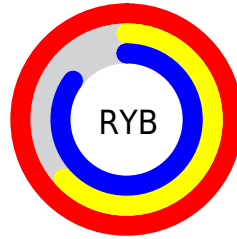
Distribution



Red (100%)

Green (63%)

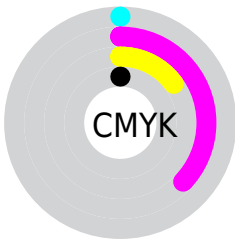
Blue (85%)



Red (100%)

Yellow (63%)

Blue (85%)

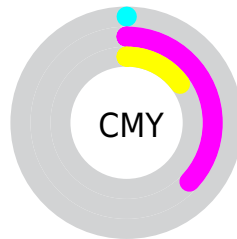


Cyan (0%)

Magenta (37%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4636, 0.3486, 0.2699 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 51.4636, 0.3486, 0.2699 by changing the saturation by 10% instead.

 51.4636, 0.3486,
0.2699


 51.4636, 0.3486,
0.2699


392.3623, 0.3317,
0.2975

 36.5777, 0.3525,
0.2636


 92.3397, 0.3427,
0.2795

 24.8807, 0.3574,
0.2557


 119.0987, 0.3404,
0.2832

 15.9882, 0.3637,
0.2458


150.5841, 0.3384,
0.2864

 9.5158, 0.3719,
0.2328

187.1804, 0.3367,
0.2892

 5.0791, 0.3833,
0.2152

229.2720, 0.3352,
0.2916

 2.2938, 0.3999,
0.1900

277.2432, 0.3339,

 0.7704, 0.4266,

0.2938

0.1507

331.4785, 0.3327,
0.2957

0.0000, 0.5293,
0.0000

0.0000, 0.0000,
0.0000

51.4636, 0.3486,
0.2699

51.4636, 0.3486,
0.2699

43.0038, 0.3623,
0.2545

61.7628, 0.3367,
0.2861

36.2785, 0.3777,
0.2408

74.0112, 0.3266,
0.3023

31.1607, 0.3946,
0.2300

88.3015, 0.3180,
0.3181

27.5092, 0.4125,
0.2233

100.0000, 0.3127,
0.3290

■ 25.1579, 0.4306,
0.2217

■ 23.8926, 0.4482,
0.2254

■ 23.6476, 0.4530,
0.2269

Harmonies

Analogous

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



51.4636, 0.2862, 0.2424



51.4636, 0.3486, 0.2699



51.4636, 0.4051, 0.3104

Triad

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



51.4636, 0.3486, 0.2699



51.4636, 0.3866, 0.4353



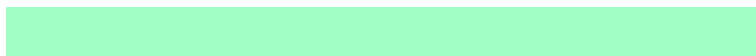
51.4636, 0.2048, 0.2816

Complementary

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



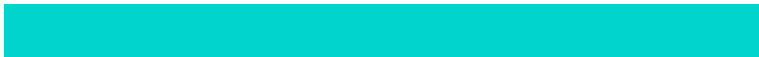
51.4636, 0.3486, 0.2699



83.0254, 0.2886, 0.3972

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.



51.4636, 0.2262, 0.3392



51.4636, 0.3486, 0.2699



51.4636, 0.3295, 0.4381

Square

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



51.4636, 0.3486, 0.2699



51.4636, 0.4261, 0.4027



51.4636, 0.2709, 0.4010



51.4636, 0.2087, 0.2453

Rectangle

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



51.4636, 0.3486, 0.2699



51.4636, 0.4284, 0.3414



51.4636, 0.2709, 0.4010



51.4636, 0.2091, 0.2989

Sweetspot

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



51.4612, 0.3486, 0.2699



82.7067, 0.3210, 0.3123



44.1519, 0.2702, 0.2230



17.2845, 0.3222, 0.3101



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.



51.4612, 0.3486, 0.2699



44.7565, 0.3590, 0.2578



49.3438, 0.3937, 0.3176



18.1734, 0.3198, 0.3146



12.3866, 0.4502, 0.2254



1.2275, 0.4314, 0.2150

Inverse Universe

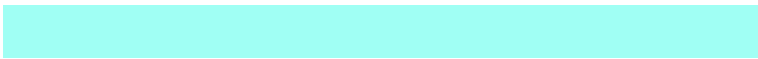
The Inverse Universe completely reimagines the original color for something new.



51.4612, 0.3486, 0.2699



44.7565, 0.3590, 0.2578



85.5198, 0.2656, 0.3412



18.1734, 0.3198, 0.3146



12.3866, 0.4502, 0.2254



1.2275, 0.4314, 0.2150

Previews

White Background



This preview shows how the Yxy color 51.4636, 0.3486, 0.2699 looks on a white background.

Color Contrast Check

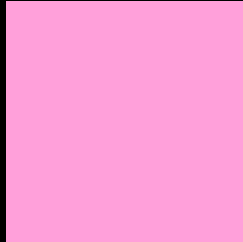
Large Text (above 18pt) WCAG AA × Fail

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 51.4636, 0.3486, 0.2699 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 51.4636, 0.3486, 0.2699

Background



This preview shows how black text looks on a background with the Yxy color 51.4636, 0.3486, 0.2699.



This preview shows how white text looks on a background with the Yxy color 51.4636, 0.3486, 0.2699.

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

51.4636, 0.3486, 0.2699

Protanopia

51.6646, 0.2717, 0.2707

Deuteranopia

51.5078, 0.3021, 0.2956



Tritanopia

51.4420, 0.3791, 0.3153

Trichromacy



Original Color

51.4636, 0.3486, 0.2699



Protanomaly

50.8194, 0.2968, 0.2696



Deuteranomaly

51.0170, 0.3182, 0.2848



Tritanomaly

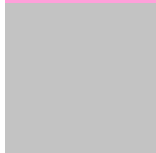
51.1414, 0.3675, 0.2975

Monochromacy



Original Color

51.4636, 0.3486, 0.2699



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.5194, 0.3257, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4636, 0.3486, 0.2699 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, 160, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 218)  
}
```

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, 160, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 218) }
```

Border

The CSS property to change the border of an element to Yxy 51.4636, 0.3486, 0.2699 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, 160, 218) }
```

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

```
.border{ border-color:rgb(255, 160, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 160, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 160, 218); box-shadow:4px 4px 4px 4px rgb(255, 160, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4636, 0.3486, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 218) }
```

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

```
.background{ background-color: rgb(255,  
160, 218) }
```

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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