

Converting Colors

$Y_{xy}(59.8329, 0.4670, 0.3045)$

Have a look what the booklet for
Yxy(59.8329, 0.4670, 0.3045)
contains.

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Color

Yxy(42.0536, 0.4028, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	FF89AA
RGB	255, 137, 170
RGB Percent	100%, 54%, 67%
CMY	0.0000, 0.4627, 0.3334
CMYK	0.00, 0.46, 0.33, 0.00
HSL	343°, 100%, 77%
HSV	343°, 46%, 100%
XYZ	57.4405, 42.0536, 43.1089
YIQ	176.0440, 59.7350, 35.2790

Conversions

Conversions Part 2

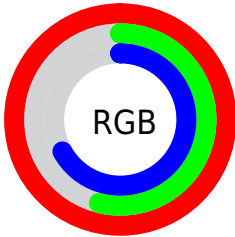
Format	Color
R _Y B	255, 137, 170
Decimal	16746922
CIE Lab	70.91, 48.13, 2.98
CIE LCh	71, 48.220, 3.546
Yxy	42.0536, 0.4028, 0.2949
Android (android.graphics.Color)	4294937002 (0xFFFF89AA)
YUV	176.0440, -2.9797, 69.2444
Hunter-Lab	64.8487, 44.6229, 5.9805

Details

The Yxy color **42.0536, 0.4028, 0.2949** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.1146, 0.2655, 0.3678**, and the grayscale version is **43.4332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8362, 0.3381, 0.2966**, and **19.0966, 0.4292, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **34.9942, 0.4344, 0.2889**, and if you desaturate by 10%, it is **50.9262, 0.3759, 0.3021**.

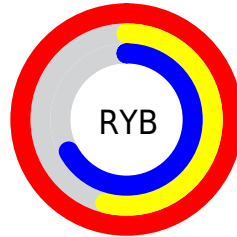
Distribution



Red (100%)

Green (54%)

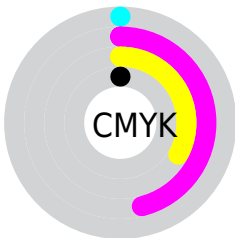
Blue (67%)



Red (100%)

Yellow (54%)

Blue (67%)

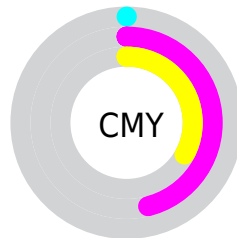


Cyan (0%)

Magenta (46%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0536, 0.4028, 0.2949 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 42.0536, 0.4028, 0.2949 by changing the saturation by 10% instead.


 42.0536, 0.4028,
0.2949


 42.0536, 0.4028,
0.2949


354.7051, 0.3570,
0.3126

 29.1433, 0.4144,
0.2903


 78.2807, 0.3860,
0.3015

 19.1892, 0.4294,
0.2844


 102.3663, 0.3797,
0.3039

 11.8071, 0.4495,
0.2763


 130.9458, 0.3744,
0.3059

 6.6125, 0.4776,
0.2648

164.4035, 0.3699,
0.3076

 3.2209, 0.5195,
0.2473

203.1239, 0.3660,
0.3091

 1.2481, 0.5873,
0.2181

247.4914, 0.3626,

 0.1005, 0.9306,

0.3104

0.0694

297.8903, 0.3596,
0.3116

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.0536, 0.4028,
0.2949

42.0536, 0.4028,
0.2949

34.9942, 0.4344,
0.2889

50.9262, 0.3759,
0.3021

29.6167, 0.4701,
0.2852

61.7216, 0.3536,
0.3098

25.7797, 0.5081,
0.2849

74.5464, 0.3354,
0.3174

23.3160, 0.5452,
0.2891

89.4977, 0.3206,
0.3247

■ 22.0180, 0.5776,
0.2977

100.0000, 0.3127,
0.3290

■ 21.7182, 0.5881,
0.3014

Harmonies

Analogous

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



42.0536, 0.3341, 0.2534



42.0536, 0.4028, 0.2949



42.0536, 0.4456, 0.3454

Triad

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



42.0536, 0.4028, 0.2949



42.0536, 0.3481, 0.4569



42.0536, 0.1931, 0.2425

Complementary

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



42.0536, 0.4028, 0.2949



82.1146, 0.2655, 0.3678

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.



42.0536, 0.1957, 0.2894



42.0536, 0.4028, 0.2949



42.0536, 0.2810, 0.4268

Square

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



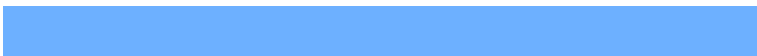
42.0536, 0.4028, 0.2949



42.0536, 0.4091, 0.4408



42.0536, 0.2260, 0.3592



42.0536, 0.2171, 0.2230

Rectangle

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



42.0536, 0.4028, 0.2949



42.0536, 0.4510, 0.3804



42.0536, 0.2260, 0.3592



42.0536, 0.1909, 0.2551

Sweetspot

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



42.0551, 0.4028, 0.2949



77.7523, 0.3317, 0.3191



40.5753, 0.2893, 0.2060



15.9898, 0.3352, 0.3175



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.



42.0551, 0.4028, 0.2949



35.1629, 0.4335, 0.2890



49.1094, 0.4261, 0.3560



18.0705, 0.3250, 0.3224



11.3699, 0.5840, 0.2991



1.1247, 0.5521, 0.2815

Inverse Universe

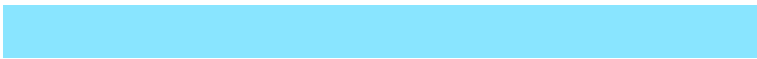
The Inverse Universe completely reimagines the original color for something new.



42.0551, 0.4028, 0.2949



35.1629, 0.4335, 0.2890



68.8188, 0.2454, 0.2989



18.0705, 0.3250, 0.3224



11.3699, 0.5840, 0.2991



1.1247, 0.5521, 0.2815

Previews

White Background



This preview shows how the Yxy color 42.0536, 0.4028, 0.2949 looks on a white background.

Color Contrast Check

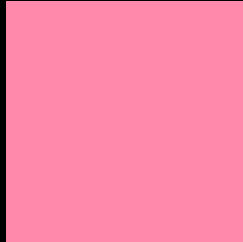
Large Text (above 18pt) WCAG AA × Fail

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 42.0536, 0.4028, 0.2949 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 42.0536, 0.4028, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 42.0536, 0.4028, 0.2949.



This preview shows how white text looks on a background with the Yxy color 42.0536, 0.4028, 0.2949.

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

42.0536, 0.4028, 0.2949

Protanopia

42.4194, 0.2974, 0.3050

Deuteranopia

42.1912, 0.3397, 0.3330



Tritanopia

41.8732, 0.4209, 0.3177

Trichromacy



Original Color

42.0536, 0.4028, 0.2949

Protanomaly

41.1171, 0.3321, 0.3003

Deuteranomaly

41.5029, 0.3617, 0.3170

Tritanomaly

42.0047, 0.4145, 0.3094

Monochromacy



Original Color

42.0536, 0.4028, 0.2949

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

41.8758, 0.3430, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0536, 0.4028, 0.2949 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, 137, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 170)  
}
```

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, 137, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 170) }
```

Border

The CSS property to change the border of an element to Yxy 42.0536, 0.4028, 0.2949 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, 137, 170) }
```

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

```
.border{ border-color:rgb(255, 137, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0536, 0.4028, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 170) }
```

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

```
.background{ background-color: rgb(255,  
137, 170) }
```

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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