

Converting Colors

$Y_{xy}(41.5845, 0.4020, 0.2918)$

Have a look what the booklet for
Yxy(41.5845, 0.4020, 0.2918)
contains.

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Color

Yxy(41.5282, 0.4023, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	FF87AB
RGB	255, 135, 171
RGB Percent	100%, 53%, 67%
CMY	0.0000, 0.4706, 0.3293
CMYK	0.00, 0.47, 0.33, 0.00
HSL	342°, 100%, 76%
HSV	342°, 47%, 100%
XYZ	57.2543, 41.5282, 43.5349
YIQ	174.9840, 59.9640, 36.6360

Conversions

Conversions Part 2

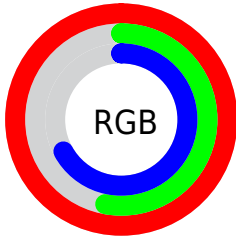
Format	Color
R_{YB}	255, 135, 171
Decimal	16746411
CIE _{Lab}	70.54, 49.24, 1.87
CIE _{LCh}	71, 49.272, 2.180
Yxy	41.5282, 0.4023, 0.2918
Android (android.graphics.Color)	4294936491 (0xFFFF87AB)
YUV	174.9840, -1.9641, 70.1740
Hunter-Lab	64.4424, 45.8154, 5.0555

Details

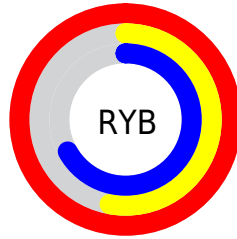
The Yxy color **41.5282, 0.4023, 0.2918** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.7814, 0.2660, 0.3717**, and the grayscale version is **42.8503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0126, 0.3375, 0.2936**, and **18.8189, 0.4285, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **34.6108, 0.4332, 0.2854**, and if you desaturate by 10%, it is **50.2454, 0.3760, 0.2995**.

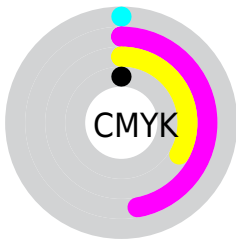
Distribution



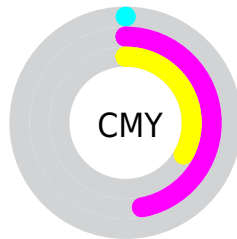
- Red (100%)
- Green (53%)
- Blue (67%)



- Red (100%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (47%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5282, 0.4023, 0.2918 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 41.5282, 0.4023, 0.2918 by changing the saturation by 10% instead.


 41.5282, 0.4023,
0.2918


 41.5282, 0.4023,
0.2918


352.5234, 0.3567,
0.3109


 28.7320, 0.4139,
0.2869


 77.4851, 0.3856,
0.2989

 18.8782, 0.4288,
0.2805


 101.4146, 0.3793,
0.3015

 11.5823, 0.4488,
0.2719


 129.8240, 0.3741,
0.3037

 6.4599, 0.4769,
0.2597

163.0977, 0.3696,
0.3056

 3.1267, 0.5187,
0.2413

201.6201, 0.3657,
0.3072

 1.1982, 0.5866,
0.2109

245.7756, 0.3623,

 0.0603, 0.9567,

0.3086

0.0433

295.9486, 0.3593,
0.3098

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.5282, 0.4023,
0.2918

41.5282, 0.4023,
0.2918

34.6108, 0.4332,
0.2854

50.2454, 0.3760,
0.2995

29.3595, 0.4679,
0.2815

60.8708, 0.3540,
0.3077

25.6324, 0.5048,
0.2812

73.5119, 0.3360,
0.3159

23.2602, 0.5410,
0.2856

88.2662, 0.3214,
0.3238

■ 22.0278, 0.5727,
0.2945

99.9988, 0.3127,
0.3290

■ 21.7880, 0.5811,
0.2975

Harmonies

Analogous

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



41.5282, 0.3312, 0.2501



41.5282, 0.4023, 0.2918



41.5282, 0.4480, 0.3430

Triad

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



41.5282, 0.4023, 0.2918



41.5282, 0.3518, 0.4606



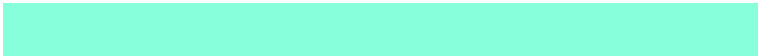
41.5282, 0.1900, 0.2419

Complementary

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



41.5282, 0.4023, 0.2918



81.7814, 0.2660, 0.3717

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.



41.5282, 0.1938, 0.2910



41.5282, 0.4023, 0.2918



41.5282, 0.2830, 0.4322

Square

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



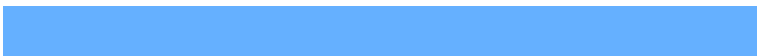
41.5282, 0.4023, 0.2918



41.5282, 0.4136, 0.4417



41.5282, 0.2259, 0.3634



41.5282, 0.2132, 0.2209

Rectangle

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



41.5282, 0.4023, 0.2918



41.5282, 0.4547, 0.3787



41.5282, 0.2259, 0.3634



41.5282, 0.1882, 0.2551

Sweetspot

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



41.5303, 0.4023, 0.2918



77.7937, 0.3312, 0.3184



39.3016, 0.2853, 0.2027



15.9998, 0.3346, 0.3166



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.



41.5303, 0.4023, 0.2918



35.2610, 0.4297, 0.2860



47.1244, 0.4311, 0.3523



18.0768, 0.3247, 0.3219



11.4082, 0.5768, 0.2951



1.1291, 0.5448, 0.2775

Inverse Universe

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



41.5303, 0.4023, 0.2918



35.2610, 0.4297, 0.2860



70.6472, 0.2454, 0.3031



18.0768, 0.3247, 0.3219



11.4082, 0.5768, 0.2951



1.1291, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 41.5282, 0.4023, 0.2918 looks on a white background.

Color Contrast Check

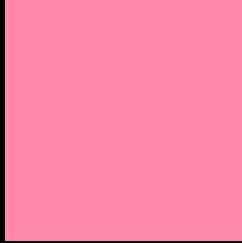
Large Text (above 18pt) WCAG AA × Fail

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 41.5282, 0.4023, 0.2918 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 41.5282, 0.4023, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 41.5282, 0.4023, 0.2918.



This preview shows how white text looks on a background with the Yxy color 41.5282, 0.4023, 0.2918.

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

41.5282, 0.4023, 0.2918

Protanopia

41.9014, 0.2941, 0.3009

Deuteranopia

41.5971, 0.3371, 0.3304



Tritanopia

41.5178, 0.4236, 0.3188

Trichromacy



Original Color

41.5282, 0.4023, 0.2918



Protanomaly

40.7166, 0.3294, 0.2965



Deuteranomaly

40.7169, 0.3602, 0.3133



Tritanomaly

41.6821, 0.4160, 0.3094

Monochromacy



Original Color

41.5282, 0.4023, 0.2918



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.0350, 0.3425, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5282, 0.4023, 0.2918 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, 135, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 171)  
}
```

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, 135, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 171) }
```

Border

The CSS property to change the border of an element to Yxy 41.5282, 0.4023, 0.2918 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, 135, 171) }
```

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

```
.border{ border-color:rgb(255, 135, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5282, 0.4023, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 171) }
```

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

```
.background{ background-color: rgb(255,  
135, 171) }
```

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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