

Converting Colors

$Y_{xy}(34.8295, 0.4054, 0.2682)$

Have a look what the booklet for
Yxy(34.8295, 0.4054, 0.2682)
contains.

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Color

Yxy(34.8526, 0.4047, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	FA70AB
RGB	250, 112, 171
RGB Percent	98%, 44%, 67%
CMY	0.0196, 0.5608, 0.3295
CMYK	0.00, 0.55, 0.32, 0.02
HSL	334°, 93%, 71%
HSV	334°, 55%, 98%
XYZ	52.5712, 34.8526, 42.4778
YIQ	159.9880, 63.3090, 47.6050

Conversions

Conversions Part 2

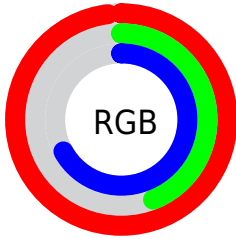
Format	Color
RYB	250, 112, 171
Decimal	16412843
CIELab	65.63, 58.56, -5.39
CIELCh	66, 58.809, 354.741
Yxy	34.8526, 0.4047, 0.2683
Android (android.graphics.Color)	4294602923 (0xFFFA70AB)
YUV	159.9880, 5.4289, 78.9405
Hunter-Lab	59.0361, 55.6397, -1.3353

Details

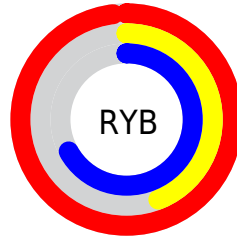
The Yxy color **34.8526, 0.4047, 0.2683** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **75.5858, 0.2687, 0.4040**, and the grayscale version is **35.1011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7563, 0.3404, 0.2703**, and **15.0114, 0.4327, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **29.5655, 0.4314, 0.2609**, and if you desaturate by 10%, it is **41.7335, 0.3811, 0.2782**.

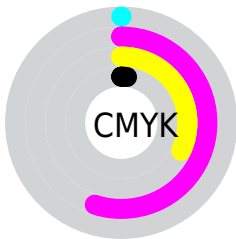
Distribution



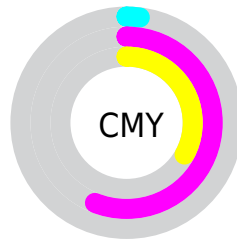
- Red (98%)
- Green (44%)
- Blue (67%)



- Red (98%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (55%)
- Yellow (32%)
- Black (2%)





- Cyan (2%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8526, 0.4047, 0.2683 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 34.8526, 0.4047, 0.2683 by changing the saturation by 10% instead.


 34.8526, 0.4047,
0.2683

 34.8526, 0.4047,
0.2683


323.9172, 0.3572,
0.2990

 23.5494, 0.4170,
0.2605


 67.2574, 0.3871,
0.2795

 14.9997, 0.4329,
0.2506


 89.1277, 0.3806,
0.2837

 8.8192, 0.4545,
0.2373


 115.2891, 0.3752,
0.2873

 4.6234, 0.4852,
0.2188

146.1261, 0.3705,
0.2903

 2.0280, 0.5318,
0.1915

182.0230, 0.3665,
0.2929

 0.6237, 0.6126,
0.1436

223.3642, 0.3630,


 0.0000, 1.0000,

0.2952


0.0000


270.5342, 0.3599,
0.2973

 0.0000, 0.0000,
0.0000


 34.8526, 0.4047,
0.2683


 34.8526, 0.4047,
0.2683


 29.5655, 0.4314,
0.2609


 41.7335, 0.3811,
0.2782


 25.7349, 0.4603,
0.2572


 50.3201, 0.3608,
0.2894


 23.2087, 0.4899,
0.2585

 60.7201, 0.3437,
0.3011

 21.7976, 0.5181,
0.2652

 73.0310, 0.3296,
0.3126

 21.3846, 0.5310,
0.2699

 87.3430, 0.3179,
0.3235

99.0661, 0.3096,
0.3290

Harmonies

Analogous

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



34.8526, 0.3116, 0.2234



34.8526, 0.4047, 0.2683



34.8526, 0.4740, 0.3264

Triad

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



34.8526, 0.4047, 0.2683



34.8526, 0.3776, 0.4939



34.8526, 0.1620, 0.2311

Complementary

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



34.8526, 0.4047, 0.2683



75.5858, 0.2687, 0.4040

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.



34.8526, 0.1734, 0.2989



34.8526, 0.4047, 0.2683



34.8526, 0.2932, 0.4790

Square

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



34.8526, 0.4047, 0.2683



34.8526, 0.4498, 0.4522



34.8526, 0.2185, 0.3970



34.8526, 0.1815, 0.2000

Rectangle

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



34.8526, 0.4047, 0.2683



34.8526, 0.4904, 0.3685



34.8526, 0.2185, 0.3970



34.8526, 0.1622, 0.2494

Sweetspot

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



34.8544, 0.4047, 0.2683



73.8953, 0.3320, 0.3105



29.4651, 0.2645, 0.1758



15.2432, 0.3347, 0.3082



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.



34.8544, 0.4047, 0.2683



30.5184, 0.4338, 0.2604



35.2197, 0.4734, 0.3388



17.3484, 0.3227, 0.3189



11.3694, 0.5269, 0.2676



1.0737, 0.4964, 0.2508

Inverse Universe

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



34.8544, 0.4047, 0.2683



30.5184, 0.4338, 0.2604



73.1462, 0.2405, 0.3178



17.3484, 0.3227, 0.3189



11.3694, 0.5269, 0.2676



1.0737, 0.4964, 0.2508

Previews

White Background



This preview shows how the Yxy color 34.8526, 0.4047, 0.2683 looks on a white background.

Color Contrast Check

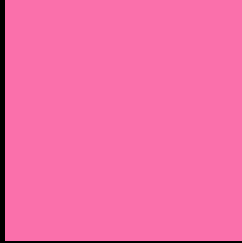
Large Text (above 18pt) WCAG AA × Fail

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 34.8526, 0.4047, 0.2683 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 34.8526, 0.4047, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 34.8526, 0.4047, 0.2683.



This preview shows how white text looks on a background with the Yxy color 34.8526, 0.4047, 0.2683.

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

34.8526, 0.4047, 0.2683

Protanopia

35.0603, 0.2697, 0.2689

Deuteranopia

35.0073, 0.3222, 0.3163



Tritanopia

34.8526, 0.4495, 0.3210

Trichromacy



Original Color

34.8526, 0.4047, 0.2683

Protanomaly

33.2066, 0.3117, 0.2649

Deuteranomaly

33.6728, 0.3507, 0.2931

Tritanomaly

34.7446, 0.4334, 0.3019

Monochromacy



Original Color

34.8526, 0.4047, 0.2683

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

33.6627, 0.3446, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8526, 0.4047, 0.2683 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(250, 112, 171)` looks like.

```
.text, #text, p{  
    color:rgb(250, 112, 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(250, 112, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 112, 171) }
```

Border

The CSS property to change the border of an element to Yxy 34.8526, 0.4047, 0.2683 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(250, 112, 171) }
```

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

```
.border{ border-color:rgb(250, 112, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 112, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 112, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 112, 171);  
box-shadow:4px 4px 4px 4px rgb(250, 112,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8526, 0.4047, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 112, 171) }
```

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

```
.background{ background-color: rgb(250,  
112, 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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