

Converting Colors

$Y_{xy}(41.2428, 0.3966, 0.2810)$

Have a look what the booklet for
Yxy(41.2428, 0.3966, 0.2810)
contains.

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Color

Yxy(41.0172, 0.3942, 0.2806)

Conversions

Conversions Part 1

Format	Color
Hex	FF84B3
RGB	255, 132, 179
RGB Percent	100%, 52%, 70%
CMY	0.0001, 0.4823, 0.2980
CMYK	0.00, 0.48, 0.30, 0.00
HSL	337°, 100%, 76%
HSV	337°, 48%, 100%
XYZ	57.6229, 41.0172, 47.5367
YIQ	174.1350, 58.2210, 40.6930

Conversions

Conversions Part 2

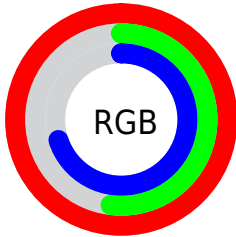
Format	Color
R _{YB}	255, 132, 179
Decimal	16745651
CIE Lab	70.19, 51.68, -3.12
CIE LCh	70, 51.772, 356.541
Yxy	41.0172, 0.3942, 0.2806
Android (android.graphics.Color)	4294935731 (0xFFFF84B3)
YUV	174.1350, 2.3984, 70.9186
Hunter-Lab	64.0447, 48.5235, 0.8237

Details

The Yxy color **41.0172, 0.3942, 0.2806** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.9655, 0.2699, 0.3857**, and the grayscale version is **42.3686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2246, 0.3308, 0.2818**, and **18.5572, 0.4181, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **34.3258, 0.4212, 0.2724**, and if you desaturate by 10%, it is **49.4752, 0.3709, 0.2904**.

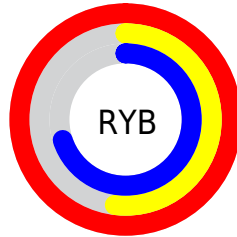
Distribution



Red (100%)

Green (52%)

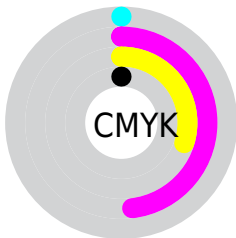
Blue (70%)



Red (100%)

Yellow (52%)

Blue (70%)

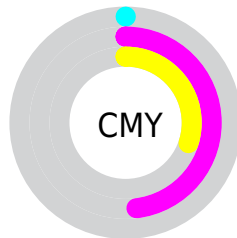


Cyan (0%)

Magenta (48%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (48%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0172, 0.3942, 0.2806 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 41.0172, 0.3942, 0.2806 by changing the saturation by 10% instead.


 41.0172, 0.3942,
0.2806


 41.0172, 0.3942,
0.2806

350.3925, 0.3530,
0.3048

 28.3325, 0.4046,
0.2746


 76.7100, 0.3791,
0.2894

 18.5765, 0.4180,
0.2669


 100.4869, 0.3735,
0.2927

 11.3647, 0.4359,
0.2567

 128.7300, 0.3687,
0.2955

 6.3127, 0.4609,
0.2426

161.8238, 0.3647,
0.2979

 3.0361, 0.4980,
0.2221

200.1525, 0.3612,
0.3000

 1.1506, 0.5582,
0.1896

244.1006, 0.3581,

 0.0208, 0.8388,

0.3018

0.0128

294.0524, 0.3554,
0.3034

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0172, 0.3942,
0.2806

■ 41.0172, 0.3942,
0.2806

■ 34.3258, 0.4212,
0.2724

■ 49.4752, 0.3709,
0.2904

■ 29.2670, 0.4515,
0.2670

■ 59.8085, 0.3514,
0.3008

■ 25.6978, 0.4836,
0.2657

■ 72.1245, 0.3351,
0.3112

■ 23.4469, 0.5156,
0.2696

■ 86.5203, 0.3218,
0.3212

■ 22.2791, 0.5449,
0.2785

99.9956, 0.3127,
0.3290

■ 22.1272, 0.5499,
0.2803

Harmonies

Analogous

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



41.0172, 0.3173, 0.2400



41.0172, 0.3942, 0.2806



41.0172, 0.4496, 0.3325

Triad

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



41.0172, 0.3942, 0.2806



41.0172, 0.3664, 0.4675



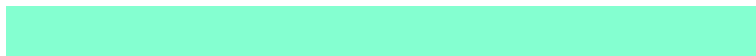
41.0172, 0.1829, 0.2446

Complementary

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



41.0172, 0.3942, 0.2806



80.9655, 0.2699, 0.3857

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.



41.0172, 0.1921, 0.3014



41.0172, 0.3942, 0.2806



41.0172, 0.2941, 0.4484

Square

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



41.0172, 0.3942, 0.2806



41.0172, 0.4281, 0.4392



41.0172, 0.2308, 0.3805



41.0172, 0.2018, 0.2178

Rectangle

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



41.0172, 0.3942, 0.2806



41.0172, 0.4624, 0.3697



41.0172, 0.2308, 0.3805



41.0172, 0.1828, 0.2602

Sweetspot

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



41.0192, 0.3942, 0.2806



77.9598, 0.3292, 0.3155



37.1140, 0.2775, 0.1970



16.0400, 0.3322, 0.3133



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.



41.0192, 0.3942, 0.2806



34.4633, 0.4206, 0.2726



43.5929, 0.4401, 0.3442



18.1020, 0.3234, 0.3199



11.5912, 0.5456, 0.2779



1.1491, 0.5149, 0.2610

Inverse Universe

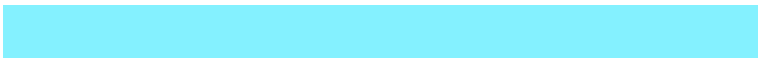
The Inverse Universe completely reimagines the original color for something new.



41.0192, 0.3942, 0.2806



34.4633, 0.4206, 0.2726



74.8187, 0.2458, 0.3122



18.1020, 0.3234, 0.3199



11.5912, 0.5456, 0.2779



1.1491, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 41.0172, 0.3942, 0.2806 looks on a white background.

Color Contrast Check

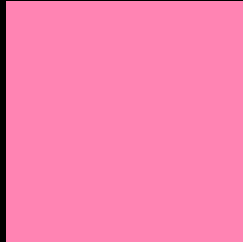
Large Text (above 18pt) WCAG AA × Fail

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 41.0172, 0.3942, 0.2806 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 41.0172, 0.3942, 0.2806

Background



This preview shows how black text looks on a background with the Yxy color 41.0172, 0.3942, 0.2806.



This preview shows how white text looks on a background with the Yxy color 41.0172, 0.3942, 0.2806.

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

41.0172, 0.3942, 0.2806

Protanopia

41.5446, 0.2833, 0.2866

Deuteranopia

41.3459, 0.3270, 0.3212



Tritanopia

41.0105, 0.4243, 0.3188

Trichromacy



Original Color

41.0172, 0.3942, 0.2806



Protanomaly

40.0148, 0.3186, 0.2828



Deuteranomaly

40.2034, 0.3505, 0.3034



Tritanomaly

40.9942, 0.4136, 0.3051

Monochromacy



Original Color

41.0172, 0.3942, 0.2806



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.6274, 0.3398, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0172, 0.3942, 0.2806 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, 132, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 179)  
}
```

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, 132, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 179) }
```

Border

The CSS property to change the border of an element to Yxy 41.0172, 0.3942, 0.2806 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, 132, 179) }
```

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

```
.border{ border-color:rgb(255, 132, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0172, 0.3942, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 179) }
```

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

```
.background{ background-color: rgb(255,  
132, 179) }
```

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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