

Converting Colors

$Y_{xy}(40.6607, 0.3829, 0.2667)$

Have a look what the booklet for
Yxy(40.6607, 0.3829, 0.2667)
contains.

Yxy(40.6782, 0.3827, 0.2667)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6782, 0.3827, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	FF81BE
RGB	255, 129, 190
RGB Percent	100%, 51%, 75%
CMY	0.0002, 0.4940, 0.2550
CMYK	0.00, 0.49, 0.25, 0.00
HSL	331°, 100%, 75%
HSV	331°, 49%, 100%
XYZ	58.3710, 40.6782, 53.4750
YIQ	173.6280, 55.5150, 45.6830

Conversions

Conversions Part 2

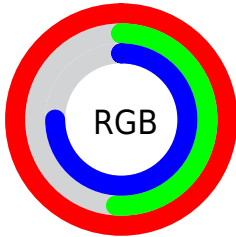
Format	Color
R _Y B	255, 129, 190
Decimal	16744894
CIE Lab	69.95, 54.53, -9.61
CIE LCh	70, 55.367, 350.009
Yxy	40.6782, 0.3827, 0.2667
Android (android.graphics.Color)	4294934974 (0xFFFF81BE)
YUV	173.6280, 8.0714, 71.3632
Hunter-Lab	63.7795, 51.7493, -5.0652

Details

The Yxy color $40.6782, 0.3827, 0.2667$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $80.0608, 0.2752, 0.4039$, and the grayscale version is $42.0675, 0.3127, 0.3290$.

A 20% lighter version of the original color is $62.6117, 0.3226, 0.2686$, and $18.3058, 0.4014, 0.2493$ is the 20% darker color. If you saturate the color by 10%, you get $34.2286, 0.4047, 0.2563$, and if you desaturate by 10%, it is $48.8593, 0.3634, 0.2789$.

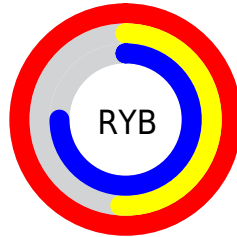
Distribution



Red (100%)

Green (51%)

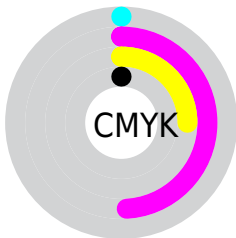
Blue (75%)



Red (100%)

Yellow (51%)

Blue (75%)

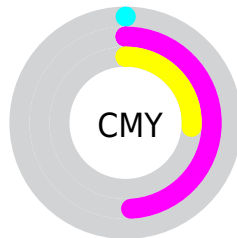


Cyan (0%)

Magenta (49%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6782, 0.3827, 0.2667 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 40.6782, 0.3827, 0.2667 by changing the saturation by 10% instead.

 40.6782, 0.3827,
0.2667


 40.6782, 0.3827,
0.2667


348.9739, 0.3477,
0.2971

 28.0677, 0.3914,
0.2594


 76.1952, 0.3700,
0.2775

 18.3767, 0.4025,
0.2501


 99.8704, 0.3653,
0.2817

 11.2208, 0.4172,
0.2381


 128.0027, 0.3612,
0.2852

 6.2155, 0.4375,
0.2219

160.9765, 0.3578,
0.2882

 2.9766, 0.4672,
0.1990

199.1761, 0.3548,
0.2909

 1.1195, 0.5145,
0.1645

242.9859, 0.3521,

 0.0000, 0.6816,

0.2932

0.0000

292.7904, 0.3498,
0.2952

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6782, 0.3827,
0.2667

■ 40.6782, 0.3827,
0.2667

■ 34.2286, 0.4047,
0.2563

■ 48.8593, 0.3634,
0.2789

■ 29.3761, 0.4291,
0.2490

■ 58.8810, 0.3470,
0.2919

■ 25.9761, 0.4550,
0.2461

■ 70.8507, 0.3332,
0.3050

■ 23.8548, 0.4809,
0.2485

■ 84.8654, 0.3217,
0.3177

■ 22.7461, 0.5056,
0.2562

99.9923, 0.3127,
0.3290

■ 22.6918, 0.5071,
0.2567

Harmonies

Analogous

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



40.6782, 0.2996, 0.2277



40.6782, 0.3827, 0.2667



40.6782, 0.4501, 0.3193

Triad

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



40.6782, 0.3827, 0.2667



40.6782, 0.3849, 0.4740



40.6782, 0.1747, 0.2488

Complementary

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



40.6782, 0.3827, 0.2667



80.0608, 0.2752, 0.4039

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.



40.6782, 0.1907, 0.3159



40.6782, 0.3827, 0.2667



40.6782, 0.3087, 0.4678

Square

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



40.6782, 0.3827, 0.2667



40.6782, 0.4460, 0.4345



40.6782, 0.2377, 0.4032



40.6782, 0.1883, 0.2143

Rectangle

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



40.6782, 0.3827, 0.2667



40.6782, 0.4710, 0.3580



40.6782, 0.2377, 0.4032



40.6782, 0.1766, 0.2676

Sweetspot

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



40.6802, 0.3827, 0.2667



76.7701, 0.3278, 0.3106



34.1352, 0.2640, 0.1892



15.8152, 0.3303, 0.3079



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.



40.6802, 0.3827, 0.2667



34.4602, 0.4038, 0.2567



38.5497, 0.4533, 0.3294



18.1336, 0.3218, 0.3176



11.8911, 0.5033, 0.2546



1.1798, 0.4770, 0.2401

Inverse Universe

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



40.6802, 0.3827, 0.2667



34.4602, 0.4038, 0.2567



83.3819, 0.2478, 0.3288



18.1336, 0.3218, 0.3176



11.8911, 0.5033, 0.2546



1.1798, 0.4770, 0.2401

Previews

White Background



This preview shows how the Yxy color 40.6782, 0.3827, 0.2667 looks on a white background.

Color Contrast Check

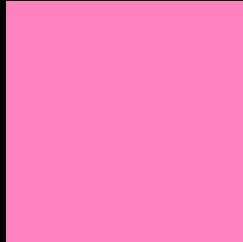
Large Text (above 18pt) WCAG AA × Fail

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 40.6782, 0.3827, 0.2667 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 40.6782, 0.3827, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 40.6782, 0.3827, 0.2667.



This preview shows how white text looks on a background with the Yxy color 40.6782, 0.3827, 0.2667.

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

40.6782, 0.3827, 0.2667

Protanopia

41.2328, 0.2687, 0.2677

Deuteranopia

40.6782, 0.3120, 0.3052



Tritanopia

40.5071, 0.4249, 0.3188

Trichromacy



Original Color

40.6782, 0.3827, 0.2667



Protanomaly

39.5498, 0.3047, 0.2649



Deuteranomaly

39.8829, 0.3370, 0.2887



Tritanomaly

40.3900, 0.4089, 0.2987

Monochromacy



Original Color

40.6782, 0.3827, 0.2667



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.4455, 0.3361, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6782, 0.3827, 0.2667 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, 129, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 190)  
}
```

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, 129, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 190) }
```

Border

The CSS property to change the border of an element to Yxy 40.6782, 0.3827, 0.2667 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, 129, 190) }
```

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

```
.border{ border-color:rgb(255, 129, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6782, 0.3827, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 190) }
```

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

```
.background{ background-color: rgb(255,  
129, 190) }
```

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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