

Converting Colors

$Yxy(40.9112, 0.2972, 0.4082)$

Have a look what the booklet for
Yxy(40.9112, 0.2972, 0.4082)
contains.

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Color

Yxy(40.8885, 0.2967, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	78BA88
RGB	120, 186, 136
RGB Percent	47%, 73%, 53%
CMY	0.5295, 0.2706, 0.4665
CMYK	0.35, 0.00, 0.27, 0.27
HSL	135°, 32%, 60%
HSV	135°, 35%, 73%
XYZ	29.7489, 40.8885, 29.6286
YIQ	160.5660, -23.2860, -29.5420

Conversions

Conversions Part 2

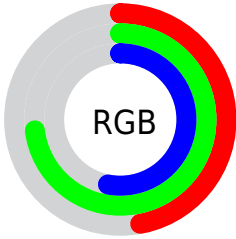
Format	Color
RYB	120, 173, 186
Decimal	7912072
CIELab	70.10, -31.63, 18.84
CIElCh	70, 36.817, 149.219
Yxy	40.8885, 0.2967, 0.4078
Android (android.graphics.Color)	4286102152 (0xFF78BA88)
YUV	160.5660, -12.1110, -35.5764
Hunter-Lab	63.9441, -28.8580, 17.2888

Details

The Yxy color $40.8885, 0.2967, 0.4078$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $26.7702, 0.3343, 0.2615$, and the grayscale version is $35.4947, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.2206, 0.2999, 0.3907$, and $18.4034, 0.2903, 0.4338$ is the 20% darker color. If you saturate the color by 10%, you get $39.3126, 0.2930, 0.4350$, and if you desaturate by 10%, it is $42.7787, 0.3010, 0.3826$.

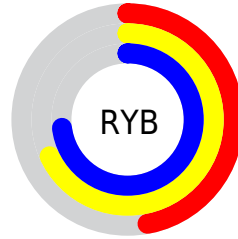
Distribution



Red (47%)

Green (73%)

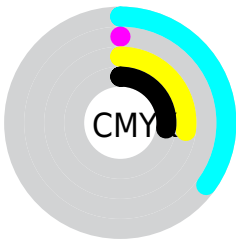
Blue (53%)



Red (47%)

Yellow (68%)

Blue (73%)

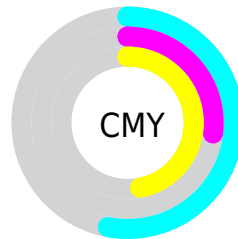


Cyan (35%)

Magenta (0%)

Yellow (27%)

Black (27%)



Cyan (53%)


Magenta (27%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8885, 0.2967, 0.4078 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 40.8885, 0.2967, 0.4078 by changing the saturation by 10% instead.

 40.8885, 0.2967,
0.4078


 40.8885, 0.2967,
0.4078


349.8544, 0.3059,
0.3656

 28.2320, 0.2940,
0.4193


 76.5146, 0.3003,
0.3918

 18.5006, 0.2902,
0.4346


 100.2530, 0.3016,
0.3860

 11.3100, 0.2847,
0.4561

 128.4541, 0.3026,
0.3812

 6.2757, 0.2758,
0.4882

161.5023, 0.3035,
0.3771

 3.0135, 0.2598,
0.5406

199.7820, 0.3042,
0.3736

 1.1388, 0.2032,
0.7968

243.6777, 0.3049,

 0.0108, 0.0000,

0.3706

1.0000

293.5737, 0.3054,
0.3680

■ 0.0000, 0.0000,
0.0000

■ 40.8885, 0.2967,
0.4078

■ 40.8885, 0.2967,
0.4078

■ 39.3126, 0.2930,
0.4350

■ 42.7787, 0.3010,
0.3826

■ 38.0289, 0.2901,
0.4633

■ 44.9938, 0.3055,
0.3597

■ 37.0202, 0.2883,
0.4919


■ 47.5503, 0.3102,
0.3392

■ 36.2658, 0.2879,
0.5192


■ 50.4617, 0.3148,
0.3211

■ 35.7414, 0.2889,
0.5438

■ 53.7412, 0.3192,
0.3053


 35.4176, 0.2912,
0.5643

 57.4011, 0.3235,
0.2916

 35.3106, 0.2923,
0.5721

 61.4531, 0.3275,
0.2796

 63.1984, 0.3206,
0.2671

 63.5995, 0.3159,
0.2614

Harmonies

Analogous

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



40.8885, 0.3496, 0.4269



40.8885, 0.2967, 0.4078



40.8885, 0.2506, 0.3607

Triad

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



40.8885, 0.2967, 0.4078



40.8885, 0.2330, 0.2461



40.8885, 0.4121, 0.3380

Complementary

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



40.8885, 0.2967, 0.4078



26.7702, 0.3343, 0.2615

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.



40.8885, 0.3754, 0.2974



40.8885, 0.2967, 0.4078



40.8885, 0.2701, 0.2466

Square

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



40.8885, 0.2967, 0.4078



40.8885, 0.2164, 0.2662



40.8885, 0.3220, 0.2650



40.8885, 0.4188, 0.3798

Rectangle

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



40.8885, 0.2967, 0.4078



40.8885, 0.2293, 0.3241



40.8885, 0.3220, 0.2650



40.8885, 0.4028, 0.3240

Sweetspot

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



40.8902, 0.2967, 0.4078



83.4698, 0.3075, 0.3506



45.0884, 0.3512, 0.4205



18.2452, 0.3069, 0.3534



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8902, 0.2967, 0.4078



71.7223, 0.2936, 0.4300



41.9538, 0.2747, 0.3556



10.0950, 0.3084, 0.3468



23.7649, 0.2917, 0.5701



0.8478, 0.2772, 0.5179

Inverse Universe

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



26.7702, 0.3343, 0.2615



42.1283, 0.3408, 0.2462



25.6927, 0.3735, 0.3044



9.1244, 0.3174, 0.3119



8.3250, 0.3927, 0.1937



0.3026, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 40.8885, 0.2967, 0.4078 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 40.8885, 0.2967, 0.4078 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 40.8885, 0.2967, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 40.8885, 0.2967, 0.4078.

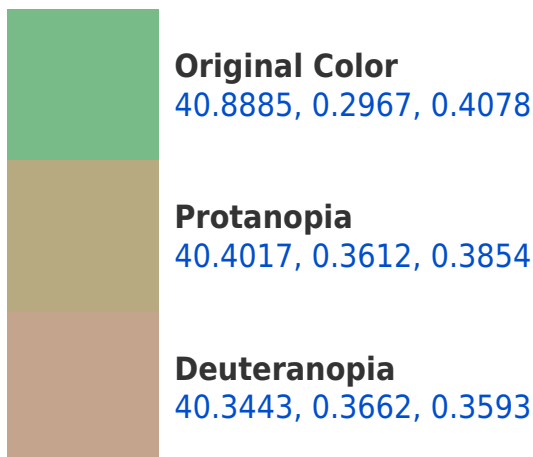


This preview shows how white text looks on a background with the Yxy color 40.8885, 0.2967, 0.4078.

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





Tritanopia

40.9960, 0.2656, 0.3088

Trichromacy



Original Color

40.8885, 0.2967, 0.4078



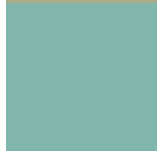
Protanomaly

40.1902, 0.3346, 0.3934



Deuteranomaly

39.8041, 0.3381, 0.3762



Tritanomaly

41.0236, 0.2772, 0.3439

Monochromacy



Original Color

40.8885, 0.2967, 0.4078



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.1274, 0.3061, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8885, 0.2967, 0.4078 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(120, 186, 136)` looks like.

```
.text, #text, p{  
    color:rgb(120, 186, 136)  
}
```

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(120, 186, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 186, 136) }
```

Border

The CSS property to change the border of an element to Yxy 40.8885, 0.2967, 0.4078 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(120, 186, 136) }
```

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

```
.border{ border-color:rgb(120, 186, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 186, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 186, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 186, 136); box-shadow:4px 4px 4px 4px rgb(120, 186, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8885, 0.2967, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 186, 136) }
```

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

```
.background{ background-color: rgb(120,  
186, 136) }
```

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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