

Converting Colors

$Yxy(40.4758, 0.3051, 0.4224)$

Have a look what the booklet for
Yxy(40.4758, 0.3051, 0.4224)
contains.

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Color

Yxy(40.3419, 0.3052, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	7AB97E
RGB	122, 185, 126
RGB Percent	48%, 73%, 49%
CMY	0.5218, 0.2745, 0.5059
CMYK	0.34, 0.00, 0.32, 0.27
HSL	124°, 31%, 60%
HSV	124°, 34%, 73%
XYZ	29.1348, 40.3419, 25.9845
YIQ	159.4370, -18.6090, -31.7050

Conversions

Conversions Part 2

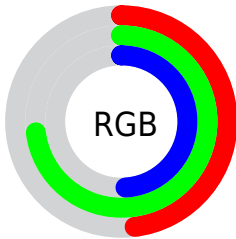
Format	Color
RYB	122, 181, 185
Decimal	8042878
CIELab	69.71, -32.32, 23.72
CIELCh	70, 40.095, 143.721
Yxy	40.3419, 0.3052, 0.4226
Android (android.graphics.Color)	4286232958 (0xFF7AB97E)
YUV	159.4370, -16.4844, -32.8322
Hunter-Lab	63.5153, -29.2729, 20.2047

Details

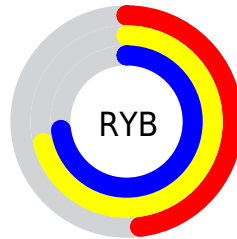
The Yxy color **40.3419, 0.3052, 0.4226** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.5581, 0.3209, 0.2505**, and the grayscale version is **34.9604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3954, 0.3074, 0.4031**, and **18.0565, 0.3010, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **38.7108, 0.3030, 0.4557**, and if you desaturate by 10%, it is **42.3108, 0.3075, 0.3916**.

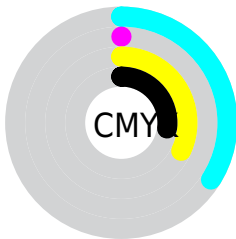
Distribution



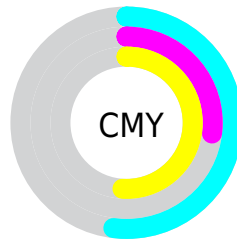
- Red (48%)
- Green (73%)
- Blue (49%)



- Red (48%)
- Yellow (71%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)





- Cyan (52%)
- Magenta (27%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3419, 0.3052, 0.4226 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 40.3419, 0.3052, 0.4226 by changing the saturation by 10% instead.


 40.3419, 0.3052,
0.4226


 40.3419, 0.3052,
0.4226


347.5625, 0.3104,
0.3722


 27.8052, 0.3033,
0.4364


 75.6839, 0.3075,
0.4034

 18.1789, 0.3005,
0.4548


 99.2579, 0.3082,
0.3965

 11.0785, 0.2960,
0.4806


 127.2799, 0.3088,
0.3907

 6.1197, 0.2881,
0.5189

160.1342, 0.3093,
0.3859

 2.9180, 0.2733,
0.5832

198.2053, 0.3096,
0.3817

 1.0891, 0.1762,
0.8238

241.8774, 0.3099,


 0.0000, 0.0000,


0.3781


0.0000


291.5350, 0.3102,
0.3750


 40.3419, 0.3052,
0.4226

 40.3419, 0.3052,
0.4226


 38.7108, 0.3030,
0.4557


 42.3108, 0.3075,
0.3916

 37.3939, 0.3011,
0.4896

 44.6296, 0.3097,
0.3634


 36.3723, 0.2996,
0.5223

 47.3161, 0.3119,
0.3383

 35.6233, 0.2987,
0.5513

 50.3852, 0.3139,
0.3164

 35.1205, 0.2984,
0.5745

 53.8511, 0.3157,
0.2974

 34.8327, 0.2988,
0.5901

 57.7273, 0.3174,
0.2810

 34.7298, 0.2989,
0.5960

 62.0266, 0.3190,
0.2669

 63.1837, 0.3159,
0.2605

Harmonies

Analogous

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



40.3419, 0.3625, 0.4360



40.3419, 0.3052, 0.4226



40.3419, 0.2528, 0.3746

Triad

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



40.3419, 0.3052, 0.4226



40.3419, 0.2212, 0.2412



40.3419, 0.4164, 0.3297

Complementary

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



40.3419, 0.3052, 0.4226



27.5581, 0.3209, 0.2505

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.



40.3419, 0.3713, 0.2873



40.3419, 0.3052, 0.4226



40.3419, 0.2573, 0.2382

Square

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



40.3419, 0.3052, 0.4226



40.3419, 0.2077, 0.2667



40.3419, 0.3115, 0.2548



40.3419, 0.4299, 0.3753

Rectangle

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



40.3419, 0.3052, 0.4226



40.3419, 0.2273, 0.3341



40.3419, 0.3115, 0.2548



40.3419, 0.4043, 0.3149

Sweetspot

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



40.3436, 0.3052, 0.4226



81.7250, 0.3106, 0.3532



46.0357, 0.3604, 0.4135



17.4773, 0.3103, 0.3567



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.3436, 0.3052, 0.4226



69.9726, 0.3035, 0.4476



41.2595, 0.2838, 0.3726



10.0692, 0.3108, 0.3511



23.6480, 0.2986, 0.5951



0.8368, 0.2932, 0.5756

Inverse Universe

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



27.5581, 0.3209, 0.2505



43.5542, 0.3229, 0.2337



26.4354, 0.3559, 0.2895



9.1525, 0.3147, 0.3079



9.0858, 0.3374, 0.1632



0.3233, 0.3327, 0.1607

Previews

White Background



This preview shows how the Yxy color 40.3419, 0.3052, 0.4226 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 40.3419, 0.3052, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

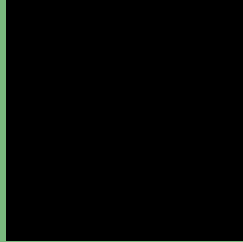
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3419, 0.3052, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 40.3419, 0.3052, 0.4226.



This preview shows how white text looks on a background with the Yxy color 40.3419, 0.3052, 0.4226.

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

40.3419, 0.3052, 0.4226

Protanopia

39.7751, 0.3705, 0.3978

Deuteranopia

39.9752, 0.3781, 0.3710



Tritanopia

40.2742, 0.2680, 0.3087

Trichromacy



Original Color

40.3419, 0.3052, 0.4226

Protanomaly

39.6422, 0.3441, 0.4067

Deuteranomaly

39.3687, 0.3490, 0.3890

Tritanomaly

40.1784, 0.2819, 0.3485

Monochromacy



Original Color

40.3419, 0.3052, 0.4226

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.2228, 0.3103, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3419, 0.3052, 0.4226 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(122, 185, 126)` looks like.

```
.text, #text, p{  
    color:rgb(122, 185, 126)  
}
```

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(122, 185, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 185, 126) }
```

Border

The CSS property to change the border of an element to Yxy 40.3419, 0.3052, 0.4226 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(122, 185, 126) }
```

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

```
.border{ border-color:rgb(122, 185, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 185, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 185, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 185, 126);  
box-shadow:4px 4px 4px 4px rgb(122, 185,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3419, 0.3052, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 185, 126) }
```

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

```
.background{ background-color: rgb(122,  
185, 126) }
```

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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