

Converting Colors

$Yxy(41.9724, 0.3329, 0.4176)$

Have a look what the booklet for
Yxy(41.9724, 0.3329, 0.4176)
contains.

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Color

Yxy(41.9724, 0.3329, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	98B77B
RGB	152, 183, 123
RGB Percent	60%, 72%, 48%
CMY	0.4039, 0.2823, 0.5176
CMYK	0.17, 0.00, 0.33, 0.28
HSL	91°, 29%, 60%
HSV	91°, 33%, 72%
XYZ	33.4593, 41.9724, 25.0769
YIQ	166.8910, 0.7840, -25.2320

Conversions

Conversions Part 2

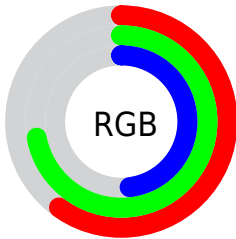
Format	Color
RYB	123, 183, 154
Decimal	10008443
CIELab	70.85, -21.32, 27.15
CIELCh	71, 34.519, 128.136
Yxy	41.9724, 0.3329, 0.4176
Android (android.graphics.Color)	4288198523 (0xFF98B77B)
YUV	166.8910, -21.6383, -13.0594
Hunter-Lab	64.7861, -21.1879, 22.4008

Details

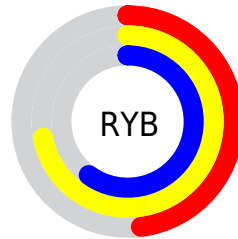
The Yxy color **41.9724, 0.3329, 0.4176** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.4543, 0.2855, 0.2412**, and the grayscale version is **38.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1330, 0.3299, 0.4000**, and **19.1556, 0.3371, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **40.6818, 0.3379, 0.4474**, and if you desaturate by 10%, it is **43.4250, 0.3271, 0.3886**.

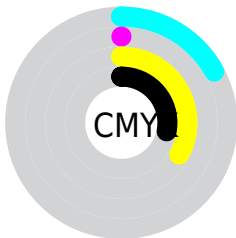
Distribution



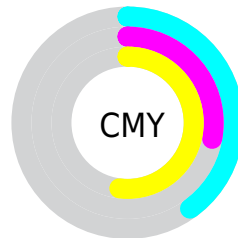
- Red (60%)
- Green (72%)
- Blue (48%)



- Red (48%)
- Yellow (72%)
- Blue (60%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (28%)




- Cyan (40%)
- Magenta (28%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9724, 0.3329, 0.4176 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 41.9724, 0.3329, 0.4176 by changing the saturation by 10% instead.


 41.9724, 0.3329,
0.4176

 41.9724, 0.3329,
0.4176

354.3685, 0.3238,
0.3709

 29.0797, 0.3347,
0.4300


 78.1579, 0.3299,
0.4001

 19.1411, 0.3368,
0.4462


 102.2194, 0.3287,
0.3937

 11.7723, 0.3388,
0.4684


 130.7726, 0.3276,
0.3883

 6.5888, 0.3403,
0.5003

164.2020, 0.3266,
0.3838

 3.2063, 0.3410,
0.5529

202.8919, 0.3258,
0.3799

 1.2404, 0.3338,
0.6662

247.2266, 0.3251,

 0.0943, 0.0000,

0.3765

1.0000

297.5907, 0.3244,
0.3735

■ 0.0000, 0.0000,
0.0000

■ 41.9724, 0.3329,
0.4176

■ 41.9724, 0.3329,
0.4176

■ 40.6818, 0.3379,
0.4474

■ 43.4250, 0.3271,
0.3886

■ 39.5414, 0.3417,
0.4770

■ 45.0401, 0.3209,
0.3611

■ 38.5458, 0.3438,
0.5050


■ 46.8253, 0.3145,
0.3357

■ 37.6874, 0.3440,
0.5298

■ 48.7860, 0.3082,
0.3125

■ 36.9575, 0.3421,
0.5500


■ 50.9273, 0.3020,
0.2915


 36.3463, 0.3381,
0.5647

 53.2541, 0.2962,
0.2727

 35.9660, 0.3344,
0.5727

 55.7711, 0.2907,
0.2560

 57.5201, 0.2951,
0.2539

 59.1051, 0.3023,
0.2555

Harmonies

Analogous

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



41.9724, 0.3785, 0.4142



41.9724, 0.3329, 0.4176



41.9724, 0.2840, 0.3908

Triad

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



41.9724, 0.3329, 0.4176



41.9724, 0.2250, 0.2629



41.9724, 0.3835, 0.3105

Complementary

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



41.9724, 0.3329, 0.4176



24.4543, 0.2855, 0.2412

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.



41.9724, 0.3368, 0.2770



41.9724, 0.3329, 0.4176



41.9724, 0.2467, 0.2497

Square

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



41.9724, 0.3329, 0.4176



41.9724, 0.2243, 0.2957



41.9724, 0.2865, 0.2553



41.9724, 0.4101, 0.3497

Rectangle

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



41.9724, 0.3329, 0.4176



41.9724, 0.2562, 0.3603



41.9724, 0.2865, 0.2553



41.9724, 0.3694, 0.2984

Sweetspot

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



41.9742, 0.3329, 0.4176



81.4733, 0.3192, 0.3543



34.2805, 0.3737, 0.3713



17.8990, 0.3201, 0.3579



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.



41.9742, 0.3329, 0.4176



73.5570, 0.3364, 0.4380



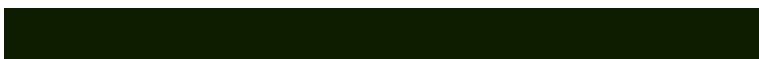
39.5086, 0.3082, 0.4246



10.2674, 0.3187, 0.3521



25.1307, 0.3353, 0.5720



0.9228, 0.3558, 0.5557

Inverse Universe

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



24.4543, 0.2855, 0.2412



37.5332, 0.2782, 0.2211



27.6528, 0.3165, 0.2489



8.9414, 0.3063, 0.3059



4.1052, 0.2068, 0.0913



0.1814, 0.2352, 0.1069

Previews

White Background



This preview shows how the Yxy color 41.9724, 0.3329, 0.4176 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 41.9724, 0.3329, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

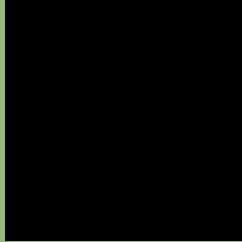
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9724, 0.3329, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 41.9724, 0.3329, 0.4176.



This preview shows how white text looks on a background with the Yxy color 41.9724, 0.3329, 0.4176.

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

41.9724, 0.3329, 0.4176

Protanopia

41.7838, 0.3727, 0.4017

Deuteranopia

41.7839, 0.3865, 0.3787



Tritanopia

42.0154, 0.2907, 0.3098

Trichromacy



Original Color

41.9724, 0.3329, 0.4176

Protanomaly

41.7990, 0.3575, 0.4087

Deuteranomaly

41.4505, 0.3660, 0.3914

Tritanomaly

41.8265, 0.3058, 0.3475

Monochromacy



Original Color

41.9724, 0.3329, 0.4176

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.8029, 0.3211, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9724, 0.3329, 0.4176 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(152, 183, 123)` looks like.

```
.text, #text, p{  
    color:rgb(152, 183, 123)  
}
```

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(152, 183, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 183, 123) }
```

Border

The CSS property to change the border of an element to Yxy 41.9724, 0.3329, 0.4176 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(152, 183, 123) }
```

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

```
.border{ border-color:rgb(152, 183, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 183, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 183, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 183, 123); box-shadow:4px 4px 4px 4px rgb(152, 183, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9724, 0.3329, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 183, 123) }
```

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

```
.background{ background-color: rgb(152,  
183, 123) }
```

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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