

Converting Colors

$Yxy(41.9979, 0.3337, 0.4168)$

Have a look what the booklet for
Yxy(41.9979, 0.3337, 0.4168)
contains.

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Color

Yxy(42.0693, 0.3338, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	99B77B
RGB	153, 183, 123
RGB Percent	60%, 72%, 48%
CMY	0.4000, 0.2823, 0.5178
CMYK	0.16, 0.00, 0.33, 0.28
HSL	90°, 29%, 60%
HSV	90°, 33%, 72%
XYZ	33.6433, 42.0693, 25.0763
YIQ	167.1900, 1.3800, -25.0200

Conversions

Conversions Part 2

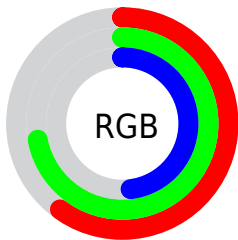
Format	Color
RYB	123, 183, 153
Decimal	10073979
CIELab	70.92, -20.96, 27.27
CIElCh	71, 34.391, 127.548
Yxy	42.0693, 0.3338, 0.4174
Android (android.graphics.Color)	4288264059 (0xFF99B77B)
YUV	167.1900, -21.7857, -12.4446
Hunter-Lab	64.8609, -20.9185, 22.4801

Details

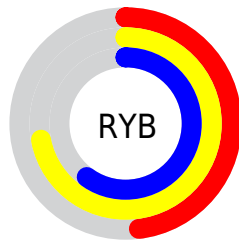
The Yxy color **42.0693, 0.3338, 0.4174** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.3491, 0.2845, 0.2408**, and the grayscale version is **38.8481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2775, 0.3306, 0.3999**, and **19.2130, 0.3383, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **40.7986, 0.3391, 0.4471**, and if you desaturate by 10%, it is **43.4976, 0.3277, 0.3885**.

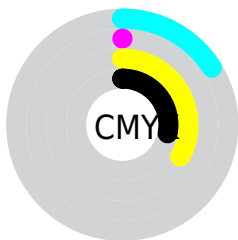
Distribution



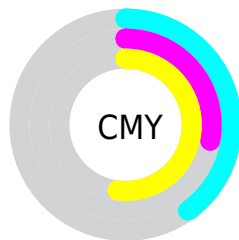
- Red (60%)
- Green (72%)
- Blue (48%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (28%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0693, 0.3338, 0.4174 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 42.0693, 0.3338, 0.4174 by changing the saturation by 10% instead.


 42.0693, 0.3338,
0.4174

 42.0693, 0.3338,
0.4174


354.7701, 0.3242,
0.3709


 29.1556, 0.3358,
0.4297


 78.3045, 0.3306,
0.4000

 19.1985, 0.3379,
0.4459


 102.3947, 0.3293,
0.3936

 11.8138, 0.3402,
0.4679


 130.9793, 0.3282,
0.3882

 6.6170, 0.3420,
0.4996

164.4425, 0.3272,
0.3837

 3.2238, 0.3432,
0.5516

203.1688, 0.3263,
0.3798

 1.2496, 0.3377,
0.6623

247.5426, 0.3255,

 0.1017, 0.0000,

0.3764

1.0000

297.9482, 0.3249,
0.3735

0.0000, 0.0000,
0.0000

42.0693, 0.3338,
0.4174

42.0693, 0.3338,
0.4174

40.7986, 0.3391,
0.4471

43.4976, 0.3277,
0.3885

39.6737, 0.3431,
0.4764

45.0839, 0.3212,
0.3611

38.6896, 0.3455,
0.5040


46.8356, 0.3146,
0.3357


37.8388, 0.3459,
0.5285


48.7578, 0.3080,
0.3125

37.1128, 0.3441,
0.5485


50.8557, 0.3016,
0.2915


 36.5018, 0.3402,
0.5631

 53.1339, 0.2955,
0.2727

 36.1206, 0.3367,
0.5709

 55.5970, 0.2898,
0.2558

 57.2885, 0.2940,
0.2536

 58.8088, 0.3009,
0.2552

Harmonies

Analogous

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



42.0693, 0.3790, 0.4135



42.0693, 0.3338, 0.4174



42.0693, 0.2851, 0.3913

Triad

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



42.0693, 0.3338, 0.4174



42.0693, 0.2251, 0.2636



42.0693, 0.3824, 0.3098

Complementary

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



42.0693, 0.3338, 0.4174



24.3491, 0.2845, 0.2408

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.



42.0693, 0.3357, 0.2767



42.0693, 0.3338, 0.4174



42.0693, 0.2464, 0.2501

Square

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



42.0693, 0.3338, 0.4174



42.0693, 0.2248, 0.2967



42.0693, 0.2857, 0.2553



42.0693, 0.4094, 0.3489

Rectangle

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



42.0693, 0.3338, 0.4174



42.0693, 0.2572, 0.3611



42.0693, 0.2857, 0.2553



42.0693, 0.3683, 0.2978

Sweetspot

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



42.0711, 0.3338, 0.4174



81.5365, 0.3195, 0.3542



33.9505, 0.3742, 0.3700



17.9147, 0.3204, 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.



42.0711, 0.3338, 0.4174



73.7545, 0.3375, 0.4377



39.5823, 0.3090, 0.4245



10.2748, 0.3189, 0.3521



25.2370, 0.3375, 0.5702



0.9265, 0.3577, 0.5542

Inverse Universe

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



24.3491, 0.2845, 0.2408



37.3337, 0.2769, 0.2207



27.5242, 0.3154, 0.2486



8.9341, 0.3060, 0.3059



3.9947, 0.2036, 0.0895



0.1776, 0.2325, 0.1054

Previews

White Background



This preview shows how the Yxy color 42.0693, 0.3338, 0.4174 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 42.0693, 0.3338, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

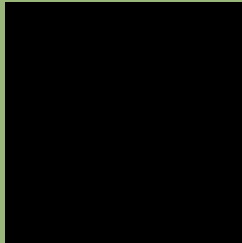
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0693, 0.3338, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 42.0693, 0.3338, 0.4174.



This preview shows how white text looks on a background with the Yxy color 42.0693, 0.3338, 0.4174.

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

42.0693, 0.3338, 0.4174

Protanopia

41.7838, 0.3727, 0.4017

Deuteranopia

41.7839, 0.3865, 0.3787



Tritanopia

42.1206, 0.2915, 0.3099

Trichromacy



Original Color

42.0693, 0.3338, 0.4174

Protanomaly

41.9143, 0.3585, 0.4084

Deuteranomaly

41.4505, 0.3660, 0.3914

Tritanomaly

41.9283, 0.3067, 0.3474

Monochromacy



Original Color

42.0693, 0.3338, 0.4174

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 42.0693, 0.3338, 0.4174 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(153, 183, 123)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 183, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 183, 123) }
```

Border

The CSS property to change the border of an element to Yxy 42.0693, 0.3338, 0.4174 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(153, 183, 123) }
```

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

```
.border{ border-color:rgb(153, 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(153, 183, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 183, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 183, 123);  
box-shadow:4px 4px 4px 4px rgb(153, 183,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0693, 0.3338, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 183, 123) }
```

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

```
.background{ background-color: rgb(153,  
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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