

Converting Colors

$Y_{xy}(40.2422, 0.3326, 0.4318)$

Have a look what the booklet for
Yxy(40.2422, 0.3326, 0.4318)
contains.

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Color

Yxy(40.1023, 0.3321, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	8FB572
RGB	143, 181, 114
RGB Percent	56%, 71%, 45%
CMY	0.4391, 0.2902, 0.5530
CMYK	0.21, 0.00, 0.37, 0.29
HSL	94°, 31%, 58%
HSV	94°, 37%, 71%
XYZ	30.8930, 40.1023, 22.0279
YIQ	162.0000, -1.1410, -28.8930

Conversions

Conversions Part 2

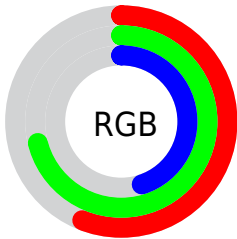
Format	Color
RYB	114, 181, 152
Decimal	9418098
CIELab	69.54, -24.94, 30.08
CIELCh	70, 39.073, 129.664
Yxy	40.1023, 0.3321, 0.4311
Android (android.graphics.Color)	4287608178 (0xFF8FB572)
YUV	162.0000, -23.6640, -16.6630
Hunter-Lab	63.3264, -23.7421, 23.7046

Details

The Yxy color **40.1023, 0.3321, 0.4311** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **22.0385, 0.2847, 0.2299**, and the grayscale version is **36.2481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3642, 0.3294, 0.4100**, and **18.0441, 0.3345, 0.4647** is the 20% darker color. If you saturate the color by 10%, you get **38.8579, 0.3358, 0.4616**, and if you desaturate by 10%, it is **41.5154, 0.3274, 0.4012**.

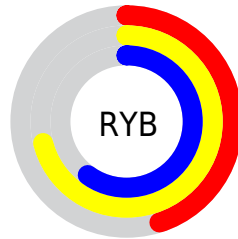
Distribution



Red (56%)

Green (71%)

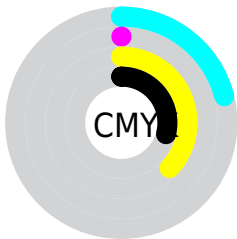
Blue (45%)



Red (45%)

Yellow (71%)

Blue (60%)

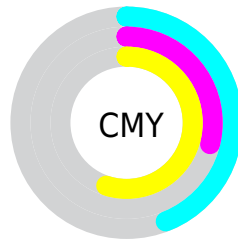


Cyan (21%)

Magenta (0%)

Yellow (37%)

Black (29%)



Cyan (44%)


Magenta (29%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1023, 0.3321, 0.4311 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 40.1023, 0.3321, 0.4311 by changing the saturation by 10% instead.


 40.1023, 0.3321,
0.4311


 40.1023, 0.3321,
0.4311

346.5546, 0.3238,
0.3767

 27.6183, 0.3336,
0.4457


 75.3193, 0.3295,
0.4105


 18.0381, 0.3349,
0.4650


 98.8210, 0.3284,
0.4031

 10.9774, 0.3358,
0.4915


 126.7642, 0.3274,
0.3968

 6.0516, 0.3349,
0.5297

 159.5331, 0.3265,
0.3915

 2.8765, 0.3389,
0.6077

197.5122, 0.3257,
0.3870

 1.0676, 0.2702,
0.7298

241.0859, 0.3250,

 0.0000, 0.0000,

0.3831

0.0000

290.6386, 0.3243,
0.3797

■ 40.1023, 0.3321,
0.4311

■ 40.1023, 0.3321,
0.4311

■ 38.8579, 0.3358,
0.4616

■ 41.5154, 0.3274,
0.4012

■ 37.7699, 0.3382,
0.4915

■ 43.0986, 0.3222,
0.3727

■ 36.8324, 0.3389,
0.5191


■ 44.8597, 0.3166,
0.3462

■ 36.0369, 0.3377,
0.5429

■ 46.8046, 0.3111,
0.3221


■ 35.3738, 0.3345,
0.5615


■ 48.9390, 0.3056,
0.3002


 34.8305, 0.3296,
0.5743

 51.2680, 0.3003,
0.2807

 34.6858, 0.3281,
0.5777

 53.7969, 0.2953,
0.2633

 56.2841, 0.2931,
0.2513

 57.9825, 0.3009,
0.2531

Harmonies

Analogous

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



40.1023, 0.3849, 0.4274



40.1023, 0.3321, 0.4311



40.1023, 0.2767, 0.3985

Triad

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



40.1023, 0.3321, 0.4311



40.1023, 0.2140, 0.2520



40.1023, 0.3964, 0.3096

Complementary

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



40.1023, 0.3321, 0.4311



22.0385, 0.2847, 0.2299

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.



40.1023, 0.3431, 0.2717



40.1023, 0.3321, 0.4311



40.1023, 0.2394, 0.2389

Square

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



40.1023, 0.3321, 0.4311



40.1023, 0.2118, 0.2877



40.1023, 0.2851, 0.2465



40.1023, 0.4254, 0.3537

Rectangle

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



40.1023, 0.3321, 0.4311



40.1023, 0.2458, 0.3619



40.1023, 0.2851, 0.2465



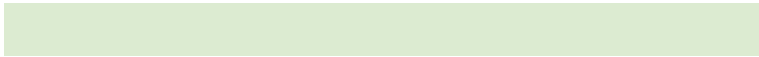
40.1023, 0.3804, 0.2959

Sweetspot

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



40.1040, 0.3321, 0.4311



78.9938, 0.3190, 0.3570



33.1207, 0.3816, 0.3815



16.9827, 0.3197, 0.3605



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.1040, 0.3321, 0.4311



70.0815, 0.3351, 0.4547



37.9154, 0.3052, 0.4336



9.6642, 0.3179, 0.3521



23.9521, 0.3290, 0.5769



0.7884, 0.3522, 0.5585

Inverse Universe

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



22.0385, 0.2847, 0.2299



33.2368, 0.2770, 0.2078



25.0556, 0.3206, 0.2429



8.4597, 0.3071, 0.3061



4.3104, 0.2172, 0.0970



0.1693, 0.2460, 0.1129

Previews

White Background



This preview shows how the Yxy color 40.1023, 0.3321, 0.4311 looks on a white background.

Color Contrast Check

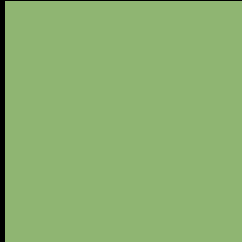
Large Text (above 18pt) WCAG AA × Fail

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 40.1023, 0.3321, 0.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

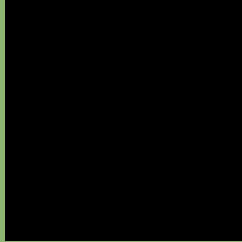
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1023, 0.3321, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 40.1023, 0.3321, 0.4311.



This preview shows how white text looks on a background with the Yxy color 40.1023, 0.3321, 0.4311.

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

40.1023, 0.3321, 0.4311

Protanopia

39.6704, 0.3802, 0.4108

Deuteranopia

39.7052, 0.3940, 0.3858



Tritanopia

39.9202, 0.2862, 0.3093

Trichromacy



Original Color

40.1023, 0.3321, 0.4311

Protanomaly

39.4699, 0.3616, 0.4177

Deuteranomaly

39.4840, 0.3702, 0.4010

Tritanomaly

39.6820, 0.3030, 0.3510

Monochromacy



Original Color

40.1023, 0.3321, 0.4311

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3888, 0.3202, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1023, 0.3321, 0.4311 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(143, 181, 114)` looks like.

```
.text, #text, p{  
    color:rgb(143, 181, 114)  
}
```

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(143, 181, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 181, 114) }
```

Border

The CSS property to change the border of an element to Yxy 40.1023, 0.3321, 0.4311 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(143, 181, 114) }
```

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

```
.border{ border-color:rgb(143, 181, 114) }
```

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

Here you see how a box with a 4 pixel rgb(143, 181, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 181, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 181, 114);  
box-shadow:4px 4px 4px 4px rgb(143, 181,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1023, 0.3321, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 181, 114) }
```

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

```
.background{ background-color: rgb(143,  
181, 114) }
```

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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