

Converting Colors

$Yxy(40.2555, 0.3420, 0.4264)$

Have a look what the booklet for
Yxy(40.2555, 0.3420, 0.4264)
contains.

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Color

Yxy(40.2274, 0.3417, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	99B372
RGB	153, 179, 114
RGB Percent	60%, 70%, 45%
CMY	0.4001, 0.2980, 0.5530
CMYK	0.15, 0.00, 0.36, 0.30
HSL	84°, 30%, 57%
HSV	84°, 36%, 70%
XYZ	32.2896, 40.2274, 21.9800
YIQ	163.8160, 5.3690, -25.7270

Conversions

Conversions Part 2

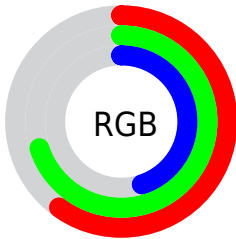
Format	Color
RYB	114, 179, 140
Decimal	10072946
CIELab	69.63, -20.22, 30.32
CIELCh	70, 36.440, 123.700
Yxy	40.2274, 0.3417, 0.4257
Android (android.graphics.Color)	4288263026 (0xFF99B372)
YUV	163.8160, -24.5593, -9.4856
Hunter-Lab	63.4251, -20.1197, 23.8505

Details

The Yxy color **40.2274, 0.3417, 0.4257** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **20.8670, 0.2738, 0.2288**, and the grayscale version is **37.1475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6166, 0.3368, 0.4062**, and **18.0701, 0.3479, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **39.1839, 0.3482, 0.4540**, and if you desaturate by 10%, it is **41.3961, 0.3342, 0.3975**.

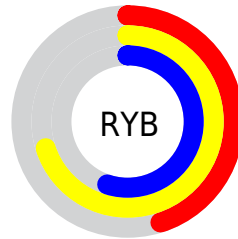
Distribution



Red (60%)

Green (70%)

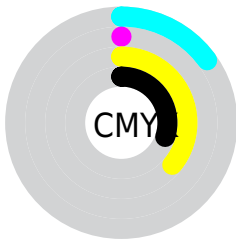
Blue (45%)



Red (45%)

Yellow (70%)

Blue (55%)

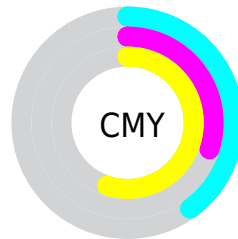


Cyan (15%)

Magenta (0%)

Yellow (36%)

Black (30%)



Cyan (40%)


Magenta (30%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2274, 0.3417, 0.4257 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 40.2274, 0.3417, 0.4257 by changing the saturation by 10% instead.


 40.2274, 0.3417,
0.4257


 40.2274, 0.3417,
0.4257


347.0811, 0.3282,
0.3746

 27.7159, 0.3445,
0.4392


 75.5097, 0.3372,
0.4065

 18.1116, 0.3477,
0.4570


 99.0492, 0.3353,
0.3995

 11.0301, 0.3512,
0.4812


 127.0336, 0.3338,
0.3936

 6.0871, 0.3540,
0.5156

 159.8471, 0.3324,
0.3886

 2.8981, 0.3645,
0.5856

197.8742, 0.3312,
0.3844

 1.0788, 0.3252,
0.6748

241.4993, 0.3301,

 0.0000, 0.0000,

0.3807

0.0000

291.1068, 0.3291,
0.3774

■ 40.2274, 0.3417,
0.4257

■ 40.2274, 0.3417,
0.4257

■ 39.1839, 0.3482,
0.4540

■ 41.3961, 0.3342,
0.3975

■ 38.2550, 0.3534,
0.4812

■ 42.6898, 0.3261,
0.3702

■ 37.4364, 0.3566,
0.5061


■ 44.1148, 0.3179,
0.3444


■ 36.7217, 0.3576,
0.5274

■ 45.6757, 0.3097,
0.3204


■ 36.1032, 0.3563,
0.5440


■ 47.3765, 0.3018,
0.2985

 35.5712, 0.3528,
0.5556

 49.2213, 0.2943,
0.2786

 35.3902, 0.3512,
0.5593

 51.2139, 0.2872,
0.2607

 53.2151, 0.2820,
0.2467

 54.2935, 0.2874,
0.2479

Harmonies

Analogous

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



40.2274, 0.3887, 0.4169



40.2274, 0.3417, 0.4257



40.2274, 0.2892, 0.4018

Triad

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



40.2274, 0.3417, 0.4257



40.2274, 0.2179, 0.2622



40.2274, 0.3821, 0.3033

Complementary

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



40.2274, 0.3417, 0.4257



20.8670, 0.2738, 0.2288

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.



40.2274, 0.3302, 0.2694



40.2274, 0.3417, 0.4257



40.2274, 0.2376, 0.2453

Square

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



40.2274, 0.3417, 0.4257



40.2274, 0.2204, 0.2998



40.2274, 0.2773, 0.2486



40.2274, 0.4147, 0.3443

Rectangle

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



40.2274, 0.3417, 0.4257



40.2274, 0.2582, 0.3704



40.2274, 0.2773, 0.2486



40.2274, 0.3661, 0.2908

Sweetspot

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



40.2292, 0.3417, 0.4257



77.7253, 0.3219, 0.3567



29.5564, 0.3849, 0.3669



17.1449, 0.3230, 0.3602



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.



40.2292, 0.3417, 0.4257



70.4482, 0.3473, 0.4496



37.4884, 0.3129, 0.4349



9.7335, 0.3204, 0.3519



25.0433, 0.3520, 0.5587



0.8208, 0.3710, 0.5436

Inverse Universe

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



20.8670, 0.2738, 0.2288



30.4208, 0.2622, 0.2029



24.1169, 0.3095, 0.2386



8.3907, 0.3045, 0.3059



3.3010, 0.1860, 0.0798



0.1383, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 40.2274, 0.3417, 0.4257 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 40.2274, 0.3417, 0.4257 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 40.2274, 0.3417, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 40.2274, 0.3417, 0.4257.



This preview shows how white text looks on a background with the Yxy color 40.2274, 0.3417, 0.4257.

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

40.2274, 0.3417, 0.4257

Protanopia

40.1895, 0.3798, 0.4104

Deuteranopia

39.7052, 0.3940, 0.3858



Tritanopia

39.9967, 0.2952, 0.3096

Trichromacy



Original Color

40.2274, 0.3417, 0.4257

Protanomaly

39.9191, 0.3656, 0.4164

Deuteranomaly

39.4800, 0.3737, 0.3989

Tritanomaly

39.7613, 0.3118, 0.3492

Monochromacy



Original Color

40.2274, 0.3417, 0.4257

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9248, 0.3241, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2274, 0.3417, 0.4257 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, 179, 114)` looks like.

```
.text, #text, p{  
    color:rgb(153, 179, 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(153, 179, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 179, 114) }
```

Border

The CSS property to change the border of an element to Yxy 40.2274, 0.3417, 0.4257 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, 179, 114) }
```

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

```
.border{ border-color:rgb(153, 179, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 179, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 179, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 179, 114);  
box-shadow:4px 4px 4px 4px rgb(153, 179,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2274, 0.3417, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 179, 114) }
```

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

```
.background{ background-color: rgb(153,  
179, 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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