

Converting Colors

$Yxy(42.8477, 0.3455, 0.4470)$

Have a look what the booklet for
Yxy(42.8477, 0.3455, 0.4470)
contains.

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Color

Yxy(42.8131, 0.3452, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	98BA69
RGB	152, 186, 105
RGB Percent	60%, 73%, 41%
CMY	0.4040, 0.2706, 0.5882
CMYK	0.18, 0.00, 0.44, 0.27
HSL	85°, 37%, 57%
HSV	85°, 44%, 73%
XYZ	33.0554, 42.8131, 19.8888
YIQ	166.6000, 5.7370, -32.3990

Conversions

Conversions Part 2

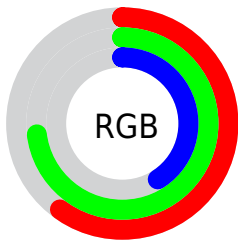
Format	Color
RYB	105, 186, 139
Decimal	10009193
CIELab	71.43, -25.23, 37.26
CIElCh	71, 44.996, 124.100
Yxy	42.8131, 0.3452, 0.4471
Android (android.graphics.Color)	4288199273 (0xFF98BA69)
YUV	166.6000, -30.3688, -12.8042
Hunter-Lab	65.4317, -24.3292, 27.7803

Details

The Yxy color $42.8131, 0.3452, 0.4471$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $19.1434, 0.2654, 0.2068$, and the grayscale version is $38.5869, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.3485, 0.3414, 0.4242$, and $19.7035, 0.3504, 0.4854$ is the 20% darker color. If you saturate the color by 10%, you get $41.7441, 0.3504, 0.4751$, and if you desaturate by 10%, it is $44.0192, 0.3387, 0.4184$.

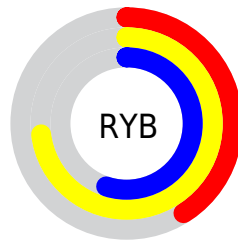
Distribution



Red (60%)

Green (73%)

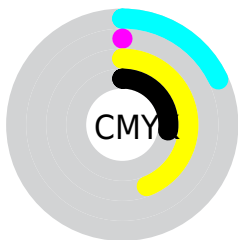
Blue (41%)



Red (41%)

Yellow (73%)

Blue (55%)

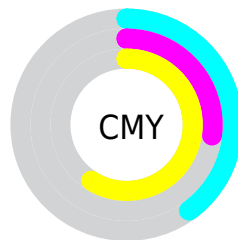


Cyan (18%)

Magenta (0%)

Yellow (44%)

Black (27%)



Cyan (40%)


Magenta (27%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8131, 0.3452, 0.4471 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 42.8131, 0.3452, 0.4471 by changing the saturation by 10% instead.


 42.8131, 0.3452,
0.4471

 42.8131, 0.3452,
0.4471


357.8426, 0.3310,
0.3851

 29.7385, 0.3478,
0.4632


 79.4287, 0.3407,
0.4240


 19.6402, 0.3505,
0.4842


 103.7386, 0.3388,
0.4155

 12.1338, 0.3526,
0.5121


 132.5623, 0.3371,
0.4083

 6.8348, 0.3526,
0.5507

 166.2842, 0.3356,
0.4023

 3.3590, 0.3633,
0.6367

205.2889, 0.3342,
0.3971

 1.3219, 0.3074,
0.6926

249.9605, 0.3330,

 0.1581, 0.0000,

0.3925

1.0000

300.6836, 0.3319,
0.3886

0.0000, 0.0000,
0.0000

42.8131, 0.3452,
0.4471

42.8131, 0.3452,
0.4471

41.7441, 0.3504,
0.4751

44.0192, 0.3387,
0.4184

40.8001, 0.3539,
0.5012

45.3627, 0.3313,
0.3901

39.9758, 0.3552,
0.5240


46.8510, 0.3235,
0.3630


39.2632, 0.3542,
0.5422

48.4892, 0.3155,
0.3375


38.6525, 0.3509,
0.5554


50.2823, 0.3077,
0.3141

 38.3009, 0.3481,
0.5618

 52.2349, 0.3001,
0.2927

 54.3514, 0.2930,
0.2734

 56.6361, 0.2862,
0.2561

 57.9197, 0.2912,
0.2562

Harmonies

Analogous

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



42.8131, 0.4022, 0.4341



42.8131, 0.3452, 0.4471



42.8131, 0.2826, 0.4181

Triad

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



42.8131, 0.3452, 0.4471



42.8131, 0.2007, 0.2480



42.8131, 0.3973, 0.2983

Complementary

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



42.8131, 0.3452, 0.4471



19.1434, 0.2654, 0.2068

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.



42.8131, 0.3341, 0.2588



42.8131, 0.3452, 0.4471



42.8131, 0.2239, 0.2296

Square

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



42.8131, 0.3452, 0.4471



42.8131, 0.2029, 0.2918



42.8131, 0.2706, 0.2344



42.8131, 0.4364, 0.3461

Rectangle

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



42.8131, 0.3452, 0.4471



42.8131, 0.2462, 0.3785



42.8131, 0.2706, 0.2344



42.8131, 0.3778, 0.2838

Sweetspot

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



42.8150, 0.3452, 0.4471



85.0055, 0.3232, 0.3621



29.8562, 0.4035, 0.3765



18.5821, 0.3250, 0.3680



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.8150, 0.3452, 0.4471



75.7818, 0.3501, 0.4733



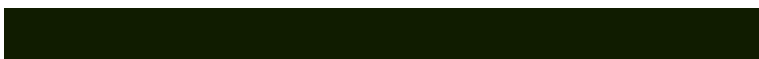
39.5705, 0.3115, 0.4605



10.3103, 0.3201, 0.3520



25.8101, 0.3489, 0.5611



0.9454, 0.3671, 0.5467

Inverse Universe

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



19.1434, 0.2654, 0.2068



27.4384, 0.2522, 0.1786



23.2656, 0.3100, 0.2214



8.8989, 0.3048, 0.3058



3.5208, 0.1891, 0.0815



0.1607, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 42.8131, 0.3452, 0.4471 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 42.8131, 0.3452, 0.4471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

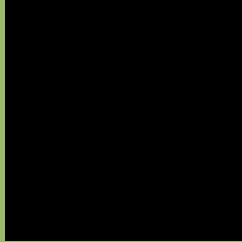
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8131, 0.3452, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 42.8131, 0.3452, 0.4471.



This preview shows how white text looks on a background with the Yxy color 42.8131, 0.3452, 0.4471.

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

42.8131, 0.3452, 0.4471

Protanopia

42.6759, 0.3904, 0.4254

Deuteranopia

42.6121, 0.4073, 0.3990



Tritanopia

42.6609, 0.2916, 0.3100

Trichromacy



Original Color

42.8131, 0.3452, 0.4471

Protanomaly

42.5466, 0.3738, 0.4339

Deuteranomaly

42.3020, 0.3844, 0.4161

Tritanomaly

42.6193, 0.3122, 0.3588

Monochromacy



Original Color

42.8131, 0.3452, 0.4471

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.9671, 0.3269, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8131, 0.3452, 0.4471 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, 186, 105)` looks like.

```
.text, #text, p{  
    color:rgb(152, 186, 105)  
}
```

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, 186, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 186, 105) }
```

Border

The CSS property to change the border of an element to Yxy 42.8131, 0.3452, 0.4471 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, 186, 105) }
```

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

```
.border{ border-color:rgb(152, 186, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 186, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 186, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 186, 105);  
box-shadow:4px 4px 4px 4px rgb(152, 186,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8131, 0.3452, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 186, 105) }
```

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

```
.background{ background-color: rgb(152,  
186, 105) }
```

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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