

# Converting Colors

$Yxy(41.2293, 0.3397, 0.4519)$

Have a look what the booklet for  
Yxy(41.2293, 0.3397, 0.4519)  
contains.

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# Color

**Yxy(41.0799, 0.3399, 0.4523)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8FB866
RGB	143, 184, 102
RGB Percent	56%, 72%, 40%
CMY	0.4391, 0.2784, 0.6000
CMYK	0.22, 0.00, 0.45, 0.28
HSL	90°, 37%, 56%
HSV	90°, 45%, 72%
XYZ	30.8712, 41.0799, 18.8733
YIQ	162.3930, 1.8860, -34.1940

# Conversions

## Conversions Part 2

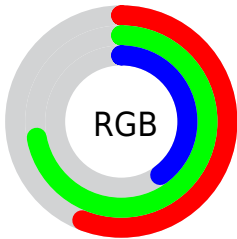
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 184, 143
Decimal	9418854
CIELab	70.23, -27.99, 37.16
CIELCh	70, 46.526, 126.989
Yxy	41.0799, 0.3399, 0.4523
Android (android.graphics.Color)	4287608934 (0xFF8FB866)
YUV	162.3930, -29.7737, -17.0077
Hunter-Lab	64.0936, -26.1878, 27.4067

# Details

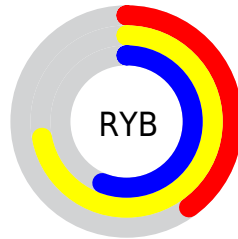
The Yxy color **41.0799, 0.3399, 0.4523** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.8009, 0.2711, 0.2062**, and the grayscale version is **36.4712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6590, 0.3365, 0.4279**, and **18.7138, 0.3433, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **39.9689, 0.3437, 0.4814**, and if you desaturate by 10%, it is **42.3428, 0.3348, 0.4226**.

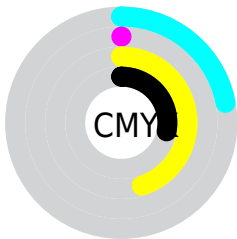
# Distribution



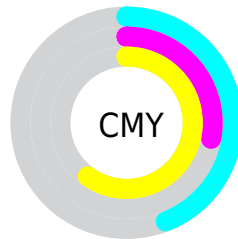
- Red (56%)
- Green (72%)
- Blue (40%)



- Red (40%)
- Yellow (72%)
- Blue (56%)



- Cyan (22%)
- Magenta (0%)
- Yellow (45%)
- Black (28%)




- Cyan (44%)
- Magenta (28%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0799, 0.3399, 0.4523 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 41.0799, 0.3399, 0.4523 by changing the saturation by 10% instead.





 41.0799, 0.3399,  
0.4523

 41.0799, 0.3399,  
0.4523


350.6544, 0.3285,  
0.3868


 28.3815, 0.3417,  
0.4696


 76.8052, 0.3364,  
0.4277


 18.6135, 0.3433,  
0.4922


 100.6009, 0.3349,  
0.4187

 11.3913, 0.3438,  
0.5227


 128.8644, 0.3335,  
0.4112

 6.3307, 0.3412,  
0.5652

 161.9803, 0.3323,  
0.4048

 3.0472, 0.3445,  
0.6555

200.3328, 0.3312,  
0.3993

 1.1564, 0.2538,  
0.7462

244.3064, 0.3302,

 0.0257, 0.0000,

0.3946

1.0000

294.2855, 0.3293,  
0.3904

■ 0.0000, 0.0000,  
0.0000

■ 41.0799, 0.3399,  
0.4523

■ 41.0799, 0.3399,  
0.4523

■ 39.9689, 0.3437,  
0.4814

■ 42.3428, 0.3348,  
0.4226

■ 38.9973, 0.3457,  
0.5087

■ 43.7585, 0.3289,  
0.3935

■ 38.1592, 0.3458,  
0.5324


■ 45.3351, 0.3224,  
0.3658

■ 37.4459, 0.3436,  
0.5515

■ 47.0781, 0.3158,  
0.3401

■ 36.8470, 0.3394,  
0.5650


■ 48.9928, 0.3091,  
0.3164

 36.5587, 0.3367,  
0.5709

 51.0845, 0.3027,  
0.2950

 53.3578, 0.2966,  
0.2758

 55.8176, 0.2908,  
0.2586

 57.6298, 0.2937,  
0.2546

# Harmonies

## Analogous

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



41.0799, 0.4008, 0.4416



41.0799, 0.3399, 0.4523



41.0799, 0.2749, 0.4176

# Triad

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



41.0799, 0.3399, 0.4523



41.0799, 0.1973, 0.2413



41.0799, 0.4068, 0.3012

# Complementary

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



41.0799, 0.3399, 0.4523



18.8009, 0.2711, 0.2062

# 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.



41.0799, 0.3417, 0.2592



41.0799, 0.3399, 0.4523



41.0799, 0.2237, 0.2249

# Square

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



41.0799, 0.3399, 0.4523



41.0799, 0.1969, 0.2841



41.0799, 0.2743, 0.2321



41.0799, 0.4443, 0.3512



# Rectangle

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



41.0799, 0.3399, 0.4523



41.0799, 0.2382, 0.3741



41.0799, 0.2743, 0.2321



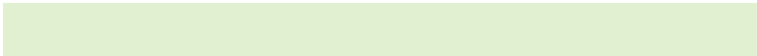
41.0799, 0.3870, 0.2860

# Sweetspot

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



41.0817, 0.3399, 0.4523



82.5929, 0.3215, 0.3623



30.3866, 0.4027, 0.3850



17.6625, 0.3230, 0.3681



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.



41.0817, 0.3399, 0.4523



72.5858, 0.3435, 0.4795



38.1444, 0.3073, 0.4656



10.2749, 0.3189, 0.3521



25.2392, 0.3376, 0.5702



0.9265, 0.3577, 0.5542



# Inverse Universe

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



18.8009, 0.2711, 0.2062



27.2524, 0.2596, 0.1792



22.9863, 0.3162, 0.2213



8.9339, 0.3060, 0.3059



3.9924, 0.2035, 0.0895



0.1775, 0.2324, 0.1054



# Previews

## White Background



This preview shows how the Yxy color 41.0799, 0.3399, 0.4523 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 41.0799, 0.3399, 0.4523 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 41.0799, 0.3399, 0.4523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0799, 0.3399, 0.4523.



This preview shows how white text looks on a background with the Yxy color 41.0799, 0.3399, 0.4523.

# 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

41.0799, 0.3399, 0.4523

### Protanopia

40.6803, 0.3930, 0.4267

### Deuteranopia

40.8779, 0.4079, 0.4002



## Tritanopia

40.8715, 0.2857, 0.3094

# Trichromacy



**Original Color**

41.0799, 0.3399, 0.4523

**Protanomaly**

40.7222, 0.3727, 0.4363

**Deuteranomaly**

40.3361, 0.3825, 0.4183

**Tritanomaly**

40.8544, 0.3061, 0.3597

# Monochromacy



**Original Color**

41.0799, 0.3399, 0.4523

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.6115, 0.3244, 0.3739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0799, 0.3399, 0.4523 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, 184, 102)` looks like.

```
.text, #text, p{  
    color:rgb(143, 184, 102)  
}
```

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, 184, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 184, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0799, 0.3399, 0.4523 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, 184, 102) }
```

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

```
.border{ border-color:rgb(143, 184, 102) }
```

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

Here you see how a box with a 4 pixel rgb(143, 184, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 184, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 184, 102);  
box-shadow:4px 4px 4px 4px rgb(143, 184,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0799, 0.3399, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 184, 102) }
```

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

```
.background{ background-color: rgb(143,  
184, 102) }
```

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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