

# Converting Colors

$Yxy(44.2842, 0.3349, 0.4324)$

Have a look what the booklet for  
Yxy(44.2842, 0.3349, 0.4324)  
contains.

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# Color

**Yxy(44.3786, 0.3352, 0.4322)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98BD76
RGB	152, 189, 118
RGB Percent	60%, 74%, 46%
CMY	0.4038, 0.2588, 0.5373
CMYK	0.20, 0.00, 0.38, 0.26
HSL	91°, 35%, 60%
HSV	91°, 38%, 74%
XYZ	34.4186, 44.3786, 23.8835
YIQ	169.8430, 0.7390, -29.9250

# Conversions

## Conversions Part 2

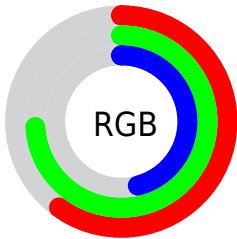
Format	Color
<a href="#">RYB</a>	<a href="#">118, 189, 155</a>
Decimal	<a href="#">10009974</a>
CIELab	<a href="#">72.48, -25.00, 31.94</a>
CIElCh	<a href="#">72, 40.555, 128.050</a>
Yxy	<a href="#">44.3786, 0.3352, 0.4322</a>
Android (android.graphics.Color)	<a href="#">4288200054 (0xFF98BD76)</a>
YUV	<a href="#">169.8430, -25.5586, -15.6483</a>
Hunter-Lab	<a href="#">66.6173, -24.3561, 25.3755</a>

# Details

The Yxy color **44.3786, 0.3352, 0.4322** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.5895, 0.2807, 0.2270**, and the grayscale version is **40.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5105, 0.3319, 0.4116**, and **20.7350, 0.3393, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **43.0648, 0.3396, 0.4622**, and if you desaturate by 10%, it is **45.8651, 0.3298, 0.4026**.

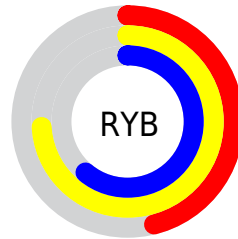
# Distribution



Red (60%)

Green (74%)

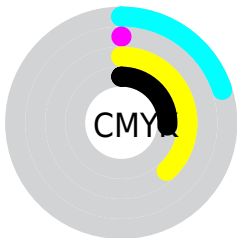
Blue (46%)



Red (46%)

Yellow (74%)

Blue (61%)

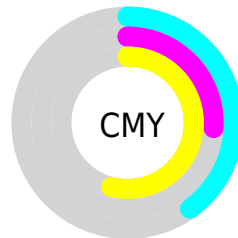


Cyan (20%)

Magenta (0%)

Yellow (38%)

Black (26%)



Cyan (40%)

Magenta (26%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3786, 0.3352, 0.4322 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 44.3786, 0.3352, 0.4322 by changing the saturation by 10% instead.





 44.3786, 0.3352,  
0.4322

 44.3786, 0.3352,  
0.4322


364.2510, 0.3255,  
0.3781


 30.9683, 0.3370,  
0.4463


 81.7871, 0.3321,  
0.4120

 20.5747, 0.3388,  
0.4648


 106.5541, 0.3308,  
0.4046

 12.8135, 0.3402,  
0.4897


 135.8755, 0.3297,  
0.3984

 7.3002, 0.3404,  
0.5248

170.1355, 0.3286,  
0.3931

 3.6506, 0.3399,  
0.5838

209.7187, 0.3277,  
0.3886

 1.4801, 0.3220,  
0.6780

255.0094, 0.3269,

 0.2746, 0.0000,

0.3846

1.0000

306.3921, 0.3262,  
0.3812

0.0000, 0.0000,  
0.0000

44.3786, 0.3352,  
0.4322

44.3786, 0.3352,  
0.4322

43.0648, 0.3396,  
0.4622

45.8651, 0.3298,  
0.4026

41.9105, 0.3426,  
0.4913

47.5253, 0.3238,  
0.3742

40.9098, 0.3437,  
0.5180


49.3674, 0.3175,  
0.3477

40.0538, 0.3428,  
0.5408

51.3975, 0.3112,  
0.3233

39.3324, 0.3398,  
0.5585

53.6214, 0.3050,  
0.3012

 38.7318, 0.3350,  
0.5706

 56.0444, 0.2990,  
0.2814

 38.5994, 0.3337,  
0.5732

 58.6717, 0.2934,  
0.2637

 60.5614, 0.2975,  
0.2607

 62.2427, 0.3049,  
0.2622

# Harmonies

## Analogous

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



44.3786, 0.3876, 0.4266



44.3786, 0.3352, 0.4322



44.3786, 0.2794, 0.4014

# Triad

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



44.3786, 0.3352, 0.4322



44.3786, 0.2130, 0.2531



44.3786, 0.3943, 0.3072

# Complementary

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



44.3786, 0.3352, 0.4322



23.5895, 0.2807, 0.2270

# 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.



44.3786, 0.3400, 0.2698



44.3786, 0.3352, 0.4322



44.3786, 0.2372, 0.2388

# Square

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



44.3786, 0.3352, 0.4322



44.3786, 0.2121, 0.2901



44.3786, 0.2821, 0.2454



44.3786, 0.4250, 0.3513



# Rectangle

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



44.3786, 0.3352, 0.4322



44.3786, 0.2478, 0.3652



44.3786, 0.2821, 0.2454



44.3786, 0.3779, 0.2936

# Sweetspot

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



44.3805, 0.3352, 0.4322



87.1916, 0.3198, 0.3570



35.4601, 0.3843, 0.3794



18.6535, 0.3207, 0.3605



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.



44.3805, 0.3352, 0.4322



77.5444, 0.3389, 0.4567



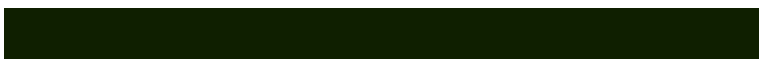
41.5811, 0.3067, 0.4396



10.8679, 0.3186, 0.3522



26.0157, 0.3347, 0.5725



1.0580, 0.3536, 0.5574



# Inverse Universe

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



23.5895, 0.2807, 0.2270



35.0134, 0.2716, 0.2032



27.3932, 0.3183, 0.2387



9.4631, 0.3063, 0.3059



4.2799, 0.2075, 0.0917



0.2064, 0.2336, 0.1061



# Previews

## White Background



This preview shows how the Yxy color 44.3786, 0.3352, 0.4322 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 44.3786, 0.3352, 0.4322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

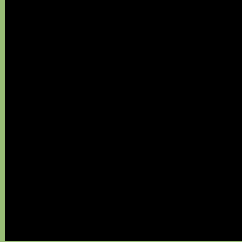
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.3786, 0.3352, 0.4322**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3786, 0.3352, 0.4322.



This preview shows how white text looks on a background with the Yxy color 44.3786, 0.3352, 0.4322.

# 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**

44.3786, 0.3352, 0.4322

**Protanopia**

43.9740, 0.3816, 0.4124

**Deuteranopia**

44.1516, 0.3959, 0.3881



## Tritanopia

44.3241, 0.2880, 0.3101

# Trichromacy



**Original Color**

44.3786, 0.3352, 0.4322

**Protanomaly**

43.7505, 0.3638, 0.4191

**Deuteranomaly**

43.7719, 0.3721, 0.4031

**Tritanomaly**

43.9911, 0.3057, 0.3529

# Monochromacy



**Original Color**

44.3786, 0.3352, 0.4322

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.4652, 0.3215, 0.3662

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3786, 0.3352, 0.4322 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, 189, 118)` looks like.

```
.text, #text, p{  
    color:rgb(152, 189, 118)  
}
```

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, 189, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 189, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3786, 0.3352, 0.4322 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, 189, 118) }
```

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

```
.border{ border-color:rgb(152, 189, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 189, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 189, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 189, 118); box-shadow:4px 4px 4px 4px rgb(152, 189, 118) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3786, 0.3352, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 189, 118) }
```

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

```
.background{ background-color: rgb(152,  
189, 118) }
```

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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