

# Converting Colors

$Yxy(44.2167, 0.3244, 0.4461)$

Have a look what the booklet for  
Yxy(44.2167, 0.3244, 0.4461)  
contains.

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# Color

**Yxy(44.2325, 0.3246, 0.4459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89C072
RGB	137, 192, 114
RGB Percent	54%, 75%, 45%
CMY	0.4629, 0.2470, 0.5529
CMYK	0.29, 0.00, 0.41, 0.25
HSL	102°, 38%, 60%
HSV	102°, 41%, 75%
XYZ	32.1998, 44.2325, 22.7660
YIQ	166.6630, -7.7420, -35.9180

# Conversions

## Conversions Part 2

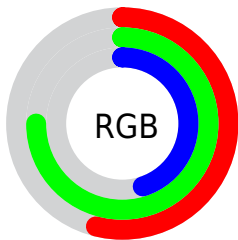
Format	Color
<a href="#">RYB</a>	<a href="#">114, 192, 169</a>
Decimal	<a href="#">9027698</a>
CIELab	<a href="#">72.38, -32.41, 33.68</a>
CIELCh	<a href="#">72, 46.738, 133.896</a>
Yxy	<a href="#">44.2325, 0.3246, 0.4459</a>
Android (android.graphics.Color)	<a href="#">4287217778 (0xFF89C072)</a>
YUV	<a href="#">166.6630, -25.9629, -26.0145</a>
Hunter-Lab	<a href="#">66.5075, -29.9670, 26.2599</a>

# Details

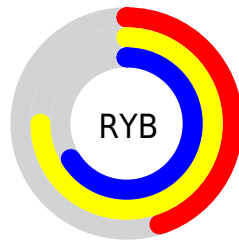
The Yxy color **44.2325, 0.3246, 0.4459** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.2883, 0.2926, 0.2227**, and the grayscale version is **38.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7479, 0.3237, 0.4227**, and **20.4319, 0.3241, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **42.7680, 0.3259, 0.4783**, and if you desaturate by 10%, it is **45.9365, 0.3224, 0.4140**.

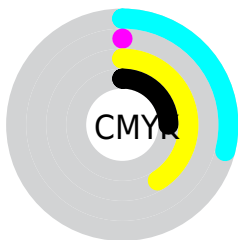
# Distribution



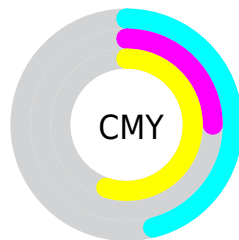
- Red (54%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (66%)



- Cyan (29%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)



- Cyan (46%)
- Magenta (25%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2325, 0.3246, 0.4459 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 44.2325, 0.3246, 0.4459 by changing the saturation by 10% instead.





 44.2325, 0.3246,  
0.4459

 44.2325, 0.3246,  
0.4459

363.6562, 0.3208,  
0.3840

 30.8533, 0.3247,  
0.4623


 81.5675, 0.3238,  
0.4227


 20.4872, 0.3242,  
0.4838


 106.2921, 0.3233,  
0.4142

 12.7497, 0.3224,  
0.5130


 135.5673, 0.3228,  
0.4071

 7.2564, 0.3175,  
0.5545

 169.7775, 0.3224,  
0.4010

 3.6230, 0.3110,  
0.6293

209.3071, 0.3219,  
0.3959

 1.4650, 0.2590,  
0.7410

254.5405, 0.3215,

 0.2639, 0.0000,

0.3914

1.0000

305.8621, 0.3211,  
0.3875

■ 0.0000, 0.0000,  
0.0000

■ 44.2325, 0.3246,  
0.4459

■ 44.2325, 0.3246,  
0.4459

■ 42.7680, 0.3259,  
0.4783

■ 45.9365, 0.3224,  
0.4140

■ 41.5262, 0.3260,  
0.5097

■ 47.8845, 0.3196,  
0.3837

■ 40.4968, 0.3247,  
0.5381


■ 50.0882, 0.3163,  
0.3558

■ 39.6664, 0.3219,  
0.5616

■ 52.5566, 0.3129,  
0.3305

■ 39.0200, 0.3178,  
0.5787


■ 55.2985, 0.3095,  
0.3079

 38.5585, 0.3135,  
0.5893

 58.3222, 0.3061,  
0.2878

 61.6355, 0.3028,  
0.2702

 64.4056, 0.3084,  
0.2659

 66.1838, 0.3156,  
0.2673

# Harmonies

## Analogous

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



44.2325, 0.3869, 0.4452



44.2325, 0.3246, 0.4459



44.2325, 0.2624, 0.4022

# Triad

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



44.2325, 0.3246, 0.4459



44.2325, 0.2030, 0.2370



44.2325, 0.4166, 0.3127

# Complementary

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



44.2325, 0.3246, 0.4459



24.2883, 0.2926, 0.2227

# 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.



44.2325, 0.3570, 0.2689



44.2325, 0.3246, 0.4459



44.2325, 0.2348, 0.2264

# Square

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



44.2325, 0.3246, 0.4459



44.2325, 0.1966, 0.2731



44.2325, 0.2894, 0.2383



44.2325, 0.4445, 0.3627



# Rectangle

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



44.2325, 0.3246, 0.4459



44.2325, 0.2294, 0.3570



44.2325, 0.2894, 0.2383



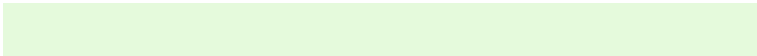
44.2325, 0.3993, 0.2971

# Sweetspot

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



44.2344, 0.3246, 0.4459



90.0859, 0.3169, 0.3600



40.6556, 0.3841, 0.4014



19.2102, 0.3173, 0.3636



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



44.2344, 0.3246, 0.4459



77.6893, 0.3258, 0.4757



42.8841, 0.2969, 0.4272



11.3992, 0.3159, 0.3525



25.9781, 0.3143, 0.5887



1.1590, 0.3321, 0.5745



# Inverse Universe

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



24.2883, 0.2926, 0.2227



36.4688, 0.2863, 0.1985



26.3982, 0.3345, 0.2478



10.0940, 0.3092, 0.3060



6.0977, 0.2484, 0.1142



0.2975, 0.2652, 0.1234



# Previews

## White Background



This preview shows how the Yxy color 44.2325, 0.3246, 0.4459 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 44.2325, 0.3246, 0.4459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

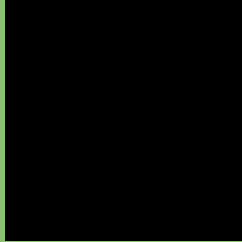
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2325, 0.3246, 0.4459**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2325, 0.3246, 0.4459.



This preview shows how white text looks on a background with the Yxy color 44.2325, 0.3246, 0.4459.

# 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

44.2325, 0.3246, 0.4459

### Protanopia

43.8644, 0.3857, 0.4185

### Deuteranopia

43.7049, 0.3992, 0.3905



## Tritanopia

43.9711, 0.2762, 0.3084

# Trichromacy



**Original Color**

44.2325, 0.3246, 0.4459

**Protanomaly**

43.4659, 0.3625, 0.4285

**Deuteranomaly**

43.0429, 0.3706, 0.4097

**Tritanomaly**

43.9276, 0.2938, 0.3564

# Monochromacy



**Original Color**

44.2325, 0.3246, 0.4459

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

40.2567, 0.3178, 0.3700

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2325, 0.3246, 0.4459 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(137, 192, 114)` looks like.

```
.text, #text, p{  
    color:rgb(137, 192, 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(137, 192, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 192, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2325, 0.3246, 0.4459 is called "border". The border property can be set on classes, ids or directly on the HTML element.

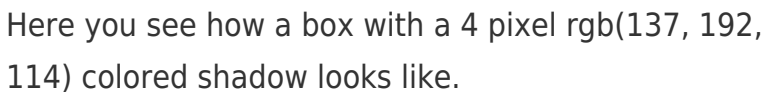
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 192, 114) }
```

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

```
.border{ border-color:rgb(137, 192, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 192, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 192, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 192, 114); box-shadow:4px 4px 4px 4px rgb(137, 192, 114) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2325, 0.3246, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 192, 114) }
```

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

```
.background{ background-color: rgb(137,  
192, 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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