

# Converting Colors

$Yxy(44.8402, 0.3151, 0.4139)$

Have a look what the booklet for  
Yxy(44.8402, 0.3151, 0.4139)  
contains.

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# Color

**Yxy(44.7336, 0.3150, 0.4134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EBF86
RGB	142, 191, 134
RGB Percent	56%, 75%, 53%
CMY	0.4432, 0.2509, 0.4745
CMYK	0.26, 0.00, 0.30, 0.25
HSL	112°, 31%, 64%
HSV	112°, 30%, 75%
XYZ	34.0858, 44.7336, 29.3896
YIQ	169.8510, -10.9070, -28.1150

# Conversions

## Conversions Part 2

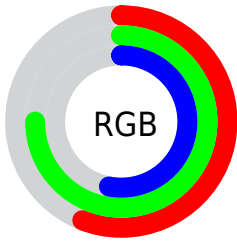
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 191, 183
Decimal	9355142
CIELab	72.72, -27.16, 23.71
CIElCh	73, 36.052, 138.888
Yxy	44.7336, 0.3150, 0.4134
Android (android.graphics.Color)	4287545222 (0xFF8EBF86)
YUV	169.8510, -17.6745, -24.4253
Hunter-Lab	66.8832, -26.0762, 20.7652

# Details

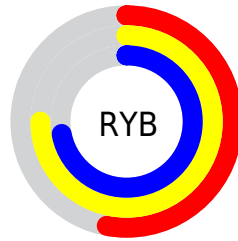
The Yxy color **44.7336, 0.3150, 0.4134** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.8812, 0.3080, 0.2539**, and the grayscale version is **40.2125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6360, 0.3152, 0.3966**, and **20.7051, 0.3136, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **42.9026, 0.3151, 0.4467**, and if you desaturate by 10%, it is **46.8788, 0.3145, 0.3822**.

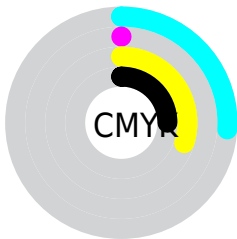
# Distribution



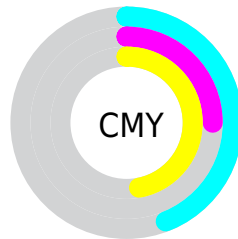
- Red (56%)
- Green (75%)
- Blue (53%)



- Red (53%)
- Yellow (75%)
- Blue (72%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)



- Cyan (44%)
- Magenta (25%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7336, 0.3150, 0.4134 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 44.7336, 0.3150, 0.4134 by changing the saturation by 10% instead.





 44.7336, 0.3150,  
0.4134

 44.7336, 0.3150,  
0.4134


365.6936, 0.3149,  
0.3690

 31.2476, 0.3146,  
0.4251


 82.3205, 0.3153,  
0.3968

 20.7875, 0.3138,  
0.4406


 107.1902, 0.3153,  
0.3907

 12.9688, 0.3123,  
0.4619


 136.6234, 0.3153,  
0.3856

 7.4070, 0.3090,  
0.4926

171.0043, 0.3152,  
0.3813

 3.7179, 0.3015,  
0.5406

210.7173, 0.3151,  
0.3776

 1.5171, 0.3079,  
0.6921

256.1470, 0.3151,

 0.3007, 0.0000,

0.3743

1.0000

307.6776, 0.3150,  
0.3715

0.0000, 0.0000,  
0.0000

44.7336, 0.3150,  
0.4134

44.7336, 0.3150,  
0.4134

42.9026, 0.3151,  
0.4467

46.8788, 0.3145,  
0.3822

41.3655, 0.3146,  
0.4810

49.3461, 0.3137,  
0.3539

40.1085, 0.3135,  
0.5144

52.1501, 0.3127,  
0.3286

39.1146, 0.3117,  
0.5446


55.3027, 0.3116,  
0.3064

38.3646, 0.3093,  
0.5693


58.8156, 0.3104,  
0.2870

 37.8367, 0.3065,  
0.5866

 62.6996, 0.3093,  
0.2701

 37.4992, 0.3038,  
0.5969

 65.7456, 0.3157,  
0.2663

 37.4952, 0.3038,  
0.5970

# Harmonies

## Analogous

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



44.7336, 0.3644, 0.4207



44.7336, 0.3150, 0.4134



44.7336, 0.2673, 0.3763

# Triad

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



44.7336, 0.3150, 0.4134



44.7336, 0.2288, 0.2543



44.7336, 0.3979, 0.3240

# Complementary

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



44.7336, 0.3150, 0.4134



30.8812, 0.3080, 0.2539

# 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.



44.7336, 0.3558, 0.2871



44.7336, 0.3150, 0.4134



44.7336, 0.2580, 0.2480

# Square

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



44.7336, 0.3150, 0.4134



44.7336, 0.2202, 0.2807



44.7336, 0.3037, 0.2601



44.7336, 0.4149, 0.3644



# Rectangle

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



44.7336, 0.3150, 0.4134



44.7336, 0.2427, 0.3423



44.7336, 0.3037, 0.2601



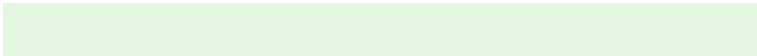
44.7336, 0.3861, 0.3110

# Sweetspot

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



44.7355, 0.3150, 0.4134



88.7045, 0.3136, 0.3520



46.4421, 0.3601, 0.3925



19.3261, 0.3138, 0.3560



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

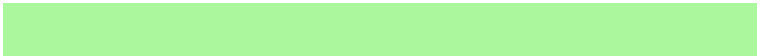


# Same Dimension

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



44.7355, 0.3150, 0.4134



77.8472, 0.3151, 0.4356



44.6649, 0.2948, 0.3840



10.7120, 0.3136, 0.3526



24.6600, 0.3043, 0.5966



0.9869, 0.3169, 0.5866



# Inverse Universe

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



30.8812, 0.3080, 0.2539



48.9367, 0.3065, 0.2368



31.0686, 0.3366, 0.2798



9.6267, 0.3116, 0.3062



7.7033, 0.2862, 0.1350



0.3206, 0.2950, 0.1399



# Previews

## White Background



This preview shows how the Yxy color 44.7336, 0.3150, 0.4134 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 44.7336, 0.3150, 0.4134 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 44.7336, 0.3150, 0.4134**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7336, 0.3150, 0.4134.



This preview shows how white text looks on a background with the Yxy color 44.7336, 0.3150, 0.4134.

# 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

44.7336, 0.3150, 0.4134

### Protanopia

44.4757, 0.3668, 0.3950

### Deuteranopia

44.3707, 0.3771, 0.3705



## Tritanopia

44.6705, 0.2785, 0.3099

# Trichromacy



**Original Color**

44.7336, 0.3150, 0.4134

**Protanomaly**

44.3629, 0.3465, 0.4025

**Deuteranomaly**

43.8373, 0.3525, 0.3844

**Tritanomaly**

44.5634, 0.2918, 0.3459

# Monochromacy



**Original Color**

44.7336, 0.3150, 0.4134

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.7487, 0.3139, 0.3590

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7336, 0.3150, 0.4134 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(142, 191, 134)` looks like.

```
.text, #text, p{  
    color:rgb(142, 191, 134)  
}
```

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(142, 191, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 191, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7336, 0.3150, 0.4134 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(142, 191, 134) }
```

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

```
.border{ border-color:rgb(142, 191, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 191, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 191, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 191, 134);  
box-shadow:4px 4px 4px 4px rgb(142, 191,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7336, 0.3150, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 191, 134) }
```

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

```
.background{ background-color: rgb(142,  
191, 134) }
```

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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