

# Converting Colors

Yxy(52.3512, 0.3563, 0.4448)

Have a look what the booklet for  
Yxy(52.3512, 0.3563, 0.4448)  
contains.

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# Color

**Yxy(52.3127, 0.3565, 0.4440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1C971
RGB	177, 201, 113
RGB Percent	69%, 79%, 44%
CMY	0.3058, 0.2118, 0.5569
CMYK	0.12, 0.00, 0.44, 0.21
HSL	76°, 45%, 62%
HSV	76°, 44%, 79%
XYZ	42.0033, 52.3127, 23.5054
YIQ	183.7920, 13.9440, -32.4560

# Conversions

## Conversions Part 2

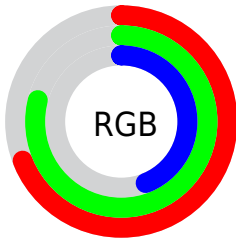
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 201, 137
Decimal	11651441
CIELab	77.47, -22.03, 41.17
CIELCh	77, 46.696, 118.148
Yxy	52.3127, 0.3565, 0.4440
Android (android.graphics.Color)	4289841521 (0xFFB1C971)
YUV	183.7920, -34.9005, -5.9566
Hunter-Lab	72.3275, -22.9115, 31.3609

# Details

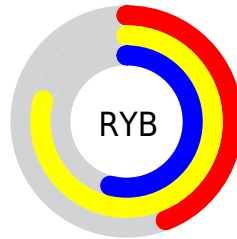
The Yxy color **52.3127, 0.3565, 0.4440** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.3428, 0.2523, 0.2012**, and the grayscale version is **48.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7656, 0.3511, 0.4208**, and **25.4262, 0.3651, 0.4767** is the 20% darker color. If you saturate the color by 10%, you get **51.2811, 0.3643, 0.4697**, and if you desaturate by 10%, it is **53.4750, 0.3474, 0.4171**.

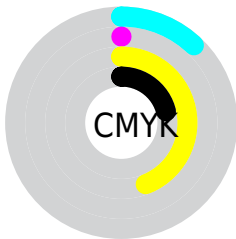
# Distribution



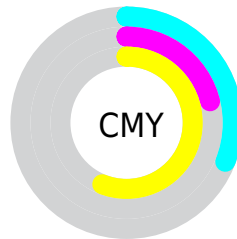
- Red (69%)
- Green (79%)
- Blue (44%)



- Red (44%)
- Yellow (79%)
- Blue (54%)



- Cyan (12%)
- Magenta (0%)
- Yellow (44%)
- Black (21%)




- Cyan (31%)
- Magenta (21%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3127, 0.3565, 0.4440 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 52.3127, 0.3565, 0.4440 by changing the saturation by 10% instead.





 52.3127, 0.3565,  
0.4440

 52.3127, 0.3565,  
0.4440

395.6426, 0.3372,  
0.3861


 37.2544, 0.3603,  
0.4582


 93.5922, 0.3502,  
0.4231


 25.4045, 0.3645,  
0.4761


 120.5823, 0.3476,  
0.4152

 16.3787, 0.3689,  
0.4992


 152.3183, 0.3453,  
0.4085

 9.7925, 0.3725,  
0.5298

 189.1847, 0.3433,  
0.4027

 5.2616, 0.3764,  
0.5763

231.5660, 0.3415,  
0.3977

 2.4016, 0.3663,  
0.6337

279.8465, 0.3399,

 0.8267, 0.2308,

0.3934

0.7692

334.4106, 0.3385,  
0.3895

0.0000, 0.0000,  
0.0000

52.3127, 0.3565,  
0.4440

52.3127, 0.3565,  
0.4440

51.2811, 0.3643,  
0.4697

53.4750, 0.3474,  
0.4171

50.3662, 0.3701,  
0.4929

54.7675, 0.3374,  
0.3899

49.5626, 0.3737,  
0.5126


56.1982, 0.3270,  
0.3634

48.8612, 0.3748,  
0.5278


57.7727, 0.3166,  
0.3382

48.2513, 0.3734,  
0.5383


59.4962, 0.3064,  
0.3145

 47.9061, 0.3717,  
0.5431

 61.3736, 0.2967,  
0.2927

 63.4094, 0.2876,  
0.2727

 64.3376, 0.2906,  
0.2721

 65.2102, 0.2944,  
0.2727

# Harmonies

## Analogous

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



52.3127, 0.4088, 0.4253



52.3127, 0.3565, 0.4440



52.3127, 0.2953, 0.4240

# Triad

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



52.3127, 0.3565, 0.4440



52.3127, 0.2020, 0.2568



52.3127, 0.3838, 0.2907

# Complementary

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



52.3127, 0.3565, 0.4440



21.3428, 0.2523, 0.2012

# 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.



52.3127, 0.3207, 0.2546



52.3127, 0.3565, 0.4440



52.3127, 0.2198, 0.2339

# Square

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



52.3127, 0.3565, 0.4440



52.3127, 0.2093, 0.3042



52.3127, 0.2611, 0.2342



52.3127, 0.4280, 0.3363



# Rectangle

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



52.3127, 0.3565, 0.4440



52.3127, 0.2579, 0.3894



52.3127, 0.2611, 0.2342



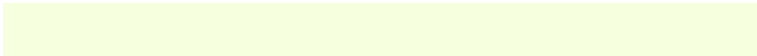
52.3127, 0.3637, 0.2772

# Sweetspot

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



52.3150, 0.3565, 0.4440



96.3733, 0.3264, 0.3619



31.3492, 0.4128, 0.3601



20.5053, 0.3287, 0.3677



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



52.3150, 0.3565, 0.4440



87.8066, 0.3642, 0.4696



47.9946, 0.3210, 0.4583



12.2662, 0.3224, 0.3521



30.1694, 0.3724, 0.5425



1.4630, 0.3826, 0.5344



# Inverse Universe

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



21.3428, 0.2523, 0.2012



27.7512, 0.2349, 0.1689



25.7862, 0.2960, 0.2157



10.4249, 0.3024, 0.3054



3.1971, 0.1677, 0.0697



0.1883, 0.1908, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 52.3127, 0.3565, 0.4440 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 52.3127, 0.3565, 0.4440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

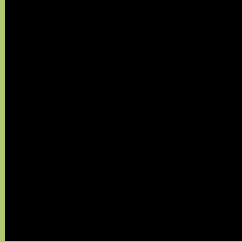
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.3127, 0.3565, 0.4440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3127, 0.3565, 0.4440.



This preview shows how white text looks on a background with the Yxy color 52.3127, 0.3565, 0.4440.

# 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

52.3127, 0.3565, 0.4440

### Protanopia

52.0674, 0.3931, 0.4267

### Deuteranopia

51.7292, 0.4111, 0.4021



## Tritanopia

52.0535, 0.3008, 0.3105

# Trichromacy



## Original Color

52.3127, 0.3565, 0.4440

## Protanomaly

52.1618, 0.3795, 0.4340

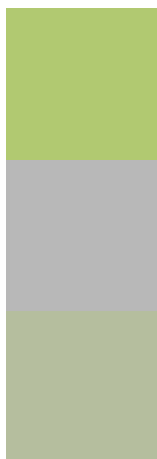
## Deuteranomaly

51.5050, 0.3899, 0.4166

## Tritanomaly

51.8764, 0.3219, 0.3573

# Monochromacy



## Original Color

52.3127, 0.3565, 0.4440

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

49.1193, 0.3299, 0.3713

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3127, 0.3565, 0.4440 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(177, 201, 113)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 113)  
}
```

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(177, 201, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3127, 0.3565, 0.4440 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(177, 201, 113) }
```

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

```
.border{ border-color:rgb(177, 201, 113) }
```

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

Here you see how a box with a 4 pixel rgb(177, 201, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 201, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 201, 113);  
box-shadow:4px 4px 4px 4px rgb(177, 201,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3127, 0.3565, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 201, 113) }
```

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

```
.background{ background-color: rgb(177,  
201, 113) }
```

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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