

# Converting Colors

Yxy(34.8094, 0.3556, 0.4472)

Have a look what the booklet for  
Yxy(34.8094, 0.3556, 0.4472)  
contains.

<b>Yxy(34.8890, 0.3559, 0.4469)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(34.8890, 0.3559, 0.4469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92A85C
RGB	146, 168, 92
RGB Percent	57%, 66%, 36%
CMY	0.4276, 0.3411, 0.6392
CMYK	0.13, 0.00, 0.45, 0.34
HSL	77°, 30%, 51%
HSV	77°, 45%, 66%
XYZ	27.7847, 34.8890, 15.3952
YIQ	152.7580, 11.2840, -28.3000

# Conversions

## Conversions Part 2

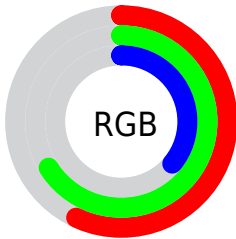
Format	Color
<b>R<sub>YB</sub></b>	92, 168, 114
Decimal	9611356
CIE Lab	65.66, -20.15, 36.60
CIE LCh	66, 41.786, 118.837
Yxy	34.8890, 0.3559, 0.4469
Android (android.graphics.Color)	4287801436 (0xFF92A85C)
YUV	152.7580, -29.9537, -5.9268
Hunter-Lab	59.0669, -19.4017, 25.8935

# Details

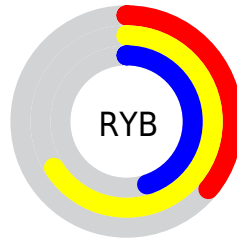
The Yxy color **34.8890, 0.3559, 0.4469** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.0626, 0.2522, 0.1988**, and the grayscale version is **31.8722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2065, 0.3488, 0.4223**, and **15.0449, 0.3652, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **34.1917, 0.3631, 0.4724**, and if you desaturate by 10%, it is **35.6736, 0.3473, 0.4202**.

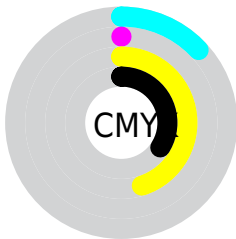
# Distribution



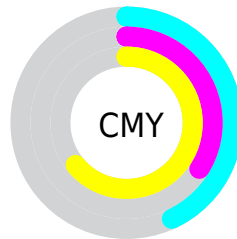
- Red (57%)
- Green (66%)
- Blue (36%)



- Red (36%)
- Yellow (66%)
- Blue (45%)



- Cyan (13%)
- Magenta (0%)
- Yellow (45%)
- Black (34%)




- Cyan (43%)
- Magenta (34%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8890, 0.3559, 0.4469 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 34.8890, 0.3559, 0.4469 by changing the saturation by 10% instead.





 34.8890, 0.3559,  
0.4469


 34.8890, 0.3559,  
0.4469


324.0781, 0.3355,  
0.3835


 23.5774, 0.3601,  
0.4639


 67.3138, 0.3490,  
0.4229

 15.0204, 0.3647,  
0.4861


 89.1957, 0.3463,  
0.4142

 8.8337, 0.3690,  
0.5161


 115.3699, 0.3439,  
0.4069

 4.6329, 0.3735,  
0.5617

 146.2207, 0.3418,  
0.4008

 2.0335, 0.3705,  
0.6295

182.1325, 0.3399,  
0.3955

 0.6268, 0.1421,  
0.8579

223.4898, 0.3383,

 0.0000, 0.0000,

0.3910

0.0000

270.6768, 0.3368,  
0.3870

■ 34.8890, 0.3559,  
0.4469

■ 34.8890, 0.3559,  
0.4469

■ 34.1917, 0.3631,  
0.4724

■ 35.6736, 0.3473,  
0.4202

■ 33.5724, 0.3685,  
0.4954

■ 36.5451, 0.3378,  
0.3932

■ 33.0275, 0.3716,  
0.5150


■ 37.5088, 0.3279,  
0.3668


■ 32.5513, 0.3723,  
0.5302


■ 38.5684, 0.3179,  
0.3416

■ 32.1363, 0.3705,  
0.5408


■ 39.7272, 0.3081,  
0.3180

 31.9522, 0.3693,  
0.5450

 40.9885, 0.2987,  
0.2962

 42.3553, 0.2897,  
0.2762

 43.8305, 0.2814,  
0.2581

 45.4170, 0.2737,  
0.2418

# Harmonies

## Analogous

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



34.8890, 0.4098, 0.4281



34.8890, 0.3559, 0.4469



34.8890, 0.2934, 0.4256

# Triad

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



34.8890, 0.3559, 0.4469



34.8890, 0.1998, 0.2543



34.8890, 0.3869, 0.2908

# Complementary

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



34.8890, 0.3559, 0.4469



14.0626, 0.2522, 0.1988

# 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.



34.8890, 0.3223, 0.2537



34.8890, 0.3559, 0.4469



34.8890, 0.2185, 0.2316

# Square

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



34.8890, 0.3559, 0.4469



34.8890, 0.2065, 0.3021



34.8890, 0.2612, 0.2325



34.8890, 0.4315, 0.3374



# Rectangle

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



34.8890, 0.3559, 0.4469



34.8890, 0.2553, 0.3895



34.8890, 0.2612, 0.2325



34.8890, 0.3664, 0.2770

# Sweetspot

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



34.8906, 0.3559, 0.4469



68.2365, 0.3269, 0.3642



21.0296, 0.4147, 0.3626



14.7897, 0.3290, 0.3696



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



34.8906, 0.3559, 0.4469



62.0664, 0.3630, 0.4718



32.0000, 0.3200, 0.4617



8.6629, 0.3219, 0.3516



24.1526, 0.3698, 0.5446



0.6118, 0.3870, 0.5309



# Inverse Universe

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



14.0626, 0.2522, 0.1988



19.5828, 0.2357, 0.1679



17.1137, 0.2971, 0.2140



7.4020, 0.3029, 0.3060



2.6461, 0.1705, 0.0713



0.0901, 0.2078, 0.0918



# Previews

## White Background



This preview shows how the Yxy color 34.8890, 0.3559, 0.4469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

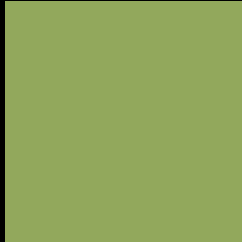
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.8890, 0.3559, 0.4469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

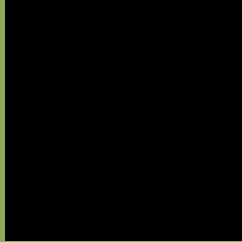
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.8890, 0.3559, 0.4469**

## Background



This preview shows how black text looks on a background with the Yxy color 34.8890, 0.3559, 0.4469.



This preview shows how white text looks on a background with the Yxy color 34.8890, 0.3559, 0.4469.

# 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

34.8890, 0.3559, 0.4469

### Protanopia

34.6315, 0.3937, 0.4277

### Deuteranopia

34.6385, 0.4115, 0.4034



## Tritanopia

34.8045, 0.2994, 0.3115

# Trichromacy



**Original Color**

34.8890, 0.3559, 0.4469

**Protanomaly**

34.4714, 0.3793, 0.4348

**Deuteranomaly**

34.5100, 0.3903, 0.4183

**Tritanomaly**

34.4691, 0.3209, 0.3596

# Monochromacy



**Original Color**

34.8890, 0.3559, 0.4469

**Achromatopsia**

31.8547, 0.3127, 0.3290

**Achromatomaly**

32.5764, 0.3295, 0.3714

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8890, 0.3559, 0.4469 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(146, 168, 92)` looks like.

```
.text, #text, p{  
    color:rgb(146, 168, 92)  
}
```

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(146, 168, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 168, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8890, 0.3559, 0.4469 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(146, 168, 92) }
```

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

```
.border{ border-color:rgb(146, 168, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 168, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 168, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 168, 92);  
box-shadow:4px 4px 4px 4px rgb(146, 168,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8890, 0.3559, 0.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 168, 92) }
```

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

```
.background{ background-color: rgb(146,  
168, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor