

# Converting Colors

$Yxy(35.0647, 0.3310, 0.4256)$

Have a look what the booklet for  
Yxy(35.0647, 0.3310, 0.4256)  
contains.

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# Color

**Yxy(35.1095, 0.3313, 0.4254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88AA6E
RGB	136, 170, 110
RGB Percent	53%, 67%, 43%
CMY	0.4666, 0.3333, 0.5687
CMYK	0.20, 0.00, 0.35, 0.33
HSL	94°, 26%, 55%
HSV	94°, 35%, 67%
XYZ	27.3432, 35.1095, 20.0803
YIQ	152.9940, -1.0040, -25.8680

# Conversions

## Conversions Part 2

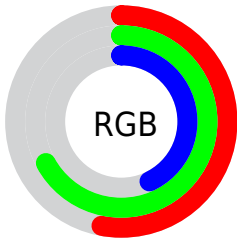
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 170, 144
Decimal	8956526
CIE <sub>Lab</sub>	65.83, -22.66, 27.25
CIE <sub>LCh</sub>	66, 35.443, 129.746
Yxy	35.1095, 0.3313, 0.4254
Android (android.graphics.Color)	4287146606 (0xFF88AA6E)
YUV	152.9940, -21.1960, -14.9037
Hunter-Lab	59.2533, -21.3222, 21.3846

# Details

The Yxy color **35.1095, 0.3313, 0.4254** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9752, 0.2865, 0.2353**, and the grayscale version is **31.9477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4062, 0.3286, 0.4051**, and **15.2251, 0.3347, 0.4605** is the 20% darker color. If you saturate the color by 10%, you get **34.0054, 0.3352, 0.4558**, and if you desaturate by 10%, it is **36.3601, 0.3265, 0.3958**.

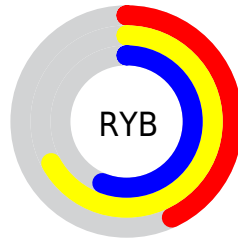
# Distribution



Red (53%)

Green (67%)

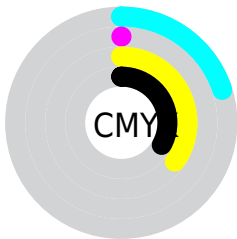
Blue (43%)



Red (43%)

Yellow (67%)

Blue (56%)

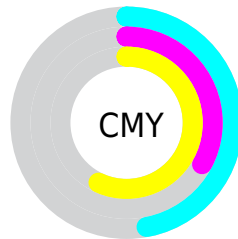


Cyan (20%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (47%)

Magenta (33%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1095, 0.3313, 0.4254 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 35.1095, 0.3313, 0.4254 by changing the saturation by 10% instead.




 35.1095, 0.3313,  
0.4254


 35.1095, 0.3313,  
0.4254


325.0514, 0.3230,  
0.3730

 23.7472, 0.3329,  
0.4399


 67.6554, 0.3286,  
0.4053

 15.1462, 0.3344,  
0.4593


 89.6078, 0.3275,  
0.3981

 8.9221, 0.3355,  
0.4866


 115.8590, 0.3265,  
0.3921

 4.6904, 0.3348,  
0.5270

 146.7934, 0.3256,  
0.3871

 2.0668, 0.3557,  
0.6432

182.7955, 0.3248,  
0.3828

 0.6458, 0.0858,  
0.9142


224.2496, 0.3241,

 0.0000, 0.0000,

0.3791


0.0000


271.5401, 0.3235,  
0.3758


 35.1095, 0.3313,  
0.4254


 35.1095, 0.3313,  
0.4254


 34.0054, 0.3352,  
0.4558


 36.3601, 0.3265,  
0.3958


 33.0373, 0.3379,  
0.4857


 37.7581, 0.3212,  
0.3678


 32.2001, 0.3390,  
0.5138


 39.3104, 0.3157,  
0.3419


 31.4869, 0.3381,  
0.5384


 41.0220, 0.3101,  
0.3182


 30.8895, 0.3354,  
0.5580


 42.8975, 0.3047,  
0.2969

 30.3985, 0.3308,  
0.5719

 44.9415, 0.2994,  
0.2778

 30.1960, 0.3285,  
0.5774

 47.1583, 0.2945,  
0.2608

 49.5520, 0.2899,  
0.2457

 51.6022, 0.2910,  
0.2393

# Harmonies

## Analogous

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



35.1095, 0.3815, 0.4225



35.1095, 0.3313, 0.4254



35.1095, 0.2786, 0.3945

# Triad

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



35.1095, 0.3313, 0.4254



35.1095, 0.2186, 0.2558



35.1095, 0.3921, 0.3108

# Complementary

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



35.1095, 0.3313, 0.4254



19.9752, 0.2865, 0.2353

# 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.



35.1095, 0.3418, 0.2744



35.1095, 0.3313, 0.4254



35.1095, 0.2430, 0.2431

# Square

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



35.1095, 0.3313, 0.4254



35.1095, 0.2165, 0.2899



35.1095, 0.2868, 0.2503



35.1095, 0.4195, 0.3531



# Rectangle

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



35.1095, 0.3313, 0.4254



35.1095, 0.2491, 0.3601



35.1095, 0.2868, 0.2503



35.1095, 0.3771, 0.2977

# Sweetspot

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



35.1110, 0.3313, 0.4254



69.6292, 0.3190, 0.3569



29.3137, 0.3775, 0.3788



15.4466, 0.3197, 0.3603



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



35.1110, 0.3313, 0.4254



62.1844, 0.3343, 0.4480



33.2555, 0.3056, 0.4273



8.5609, 0.3179, 0.3519



22.2437, 0.3293, 0.5768



0.5716, 0.3571, 0.5547



# Inverse Universe

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



19.9752, 0.2865, 0.2353



30.7564, 0.2792, 0.2140



22.4831, 0.3202, 0.2471



7.5022, 0.3071, 0.3063



4.0079, 0.2174, 0.0972



0.1269, 0.2519, 0.1161



# Previews

## White Background



This preview shows how the Yxy color 35.1095, 0.3313, 0.4254 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 35.1095, 0.3313, 0.4254 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 35.1095, 0.3313, 0.4254**

## Background



This preview shows how black text looks on a background with the Yxy color 35.1095, 0.3313, 0.4254.



This preview shows how white text looks on a background with the Yxy color 35.1095, 0.3313, 0.4254.

# 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

35.1095, 0.3313, 0.4254

### Protanopia

34.7211, 0.3766, 0.4057

### Deuteranopia

34.9445, 0.3902, 0.3824



## Tritanopia

35.0468, 0.2873, 0.3097

# Trichromacy



## Original Color

35.1095, 0.3313, 0.4254

## Protanomaly

34.7295, 0.3601, 0.4135

## Deuteranomaly

34.5346, 0.3669, 0.3965

## Tritanomaly

34.8954, 0.3034, 0.3507

# Monochromacy



## Original Color

35.1095, 0.3313, 0.4254

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

32.8055, 0.3208, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  35.1095, 0.3313, 0.4254 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(136, 170, 110)` looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 110)  
}
```

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(136, 170, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1095, 0.3313, 0.4254 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(136, 170, 110) }
```

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

```
.border{ border-color:rgb(136, 170, 110) }
```

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

Here you see how a box with a 4 pixel rgb(136, 170, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 110);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1095, 0.3313, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 110) }
```

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

```
.background{ background-color: rgb(136,  
170, 110) }
```

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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