

# Converting Colors

Yxy(30.4646, 0.3154, 0.3731)

Have a look what the booklet for  
Yxy(30.4646, 0.3154, 0.3731)  
contains.

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# Color

**Yxy(30.4302, 0.3155, 0.3738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	869C81
RGB	134, 156, 129
RGB Percent	53%, 61%, 51%
CMY	0.4745, 0.3882, 0.4941
CMYK	0.14, 0.00, 0.17, 0.39
HSL	109°, 12%, 56%
HSV	109°, 17%, 61%
XYZ	25.6841, 30.4302, 25.2934
YIQ	146.3440, -4.4450, -13.0610

# Conversions

## Conversions Part 2

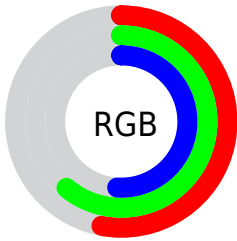
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 156, 151
Decimal	8821889
CIELab	62.02, -13.05, 11.58
CIELCh	62, 17.449, 138.428
Yxy	30.4302, 0.3155, 0.3738
Android (android.graphics.Color)	4287011969 (0xFF869C81)
YUV	146.3440, -8.5506, -10.8257
Hunter-Lab	55.1636, -13.4268, 11.4291

# Details

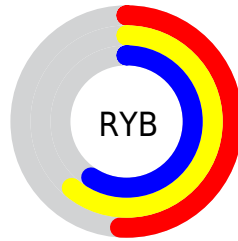
The Yxy color **30.4302, 0.3155, 0.3738** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.6844, 0.3091, 0.2866**, and the grayscale version is **28.9318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5307, 0.3147, 0.3648**, and **12.5672, 0.3154, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **29.0651, 0.3168, 0.4035**, and if you desaturate by 10%, it is **31.9869, 0.3140, 0.3469**.

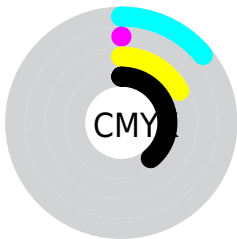
# Distribution



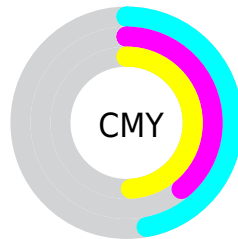
- Red (53%)
- Green (61%)
- Blue (51%)



- Red (51%)
- Yellow (61%)
- Blue (59%)



- Cyan (14%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)




- Cyan (47%)
- Magenta (39%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4302, 0.3155, 0.3738 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 30.4302, 0.3155, 0.3738 by changing the saturation by 10% instead.





 30.4302, 0.3155,  
0.3738


 30.4302, 0.3155,  
0.3738


303.9046, 0.3143,  
0.3492


 20.1654, 0.3157,  
0.3808


 60.3419, 0.3151,  
0.3643

 12.5153, 0.3159,  
0.3903


 80.7574, 0.3150,  
0.3609

 7.0956, 0.3159,  
0.4041


 105.3254, 0.3148,  
0.3581

 3.5220, 0.3155,  
0.4257

134.4301, 0.3147,  
0.3558

 1.4099, 0.3169,  
0.4699

168.4560, 0.3146,  
0.3538

 0.2240, 0.0000,  
1.0000

207.7875, 0.3145,

 0.0000, 0.0000,

0.3520

0.0000

252.8089, 0.3144,  
0.3505

■ 30.4302, 0.3155,  
0.3738

■ 30.4302, 0.3155,  
0.3738

■ 29.0651, 0.3168,  
0.4035

■ 31.9869, 0.3140,  
0.3469

■ 27.8803, 0.3176,  
0.4354

■ 33.7380, 0.3122,  
0.3228

■ 26.8694, 0.3179,  
0.4685


■ 35.6916, 0.3105,  
0.3015

■ 26.0239, 0.3174,  
0.5014


■ 37.8537, 0.3087,  
0.2829

■ 25.3350, 0.3160,  
0.5321


■ 40.2304, 0.3070,  
0.2666


 24.7925, 0.3137,  
0.5585

 42.8274, 0.3053,  
0.2523

 24.3853, 0.3107,  
0.5785

 45.6502, 0.3037,  
0.2399

 24.0983, 0.3073,  
0.5917

 48.7041, 0.3022,  
0.2291

 24.0364, 0.3066,  
0.5947

 51.0307, 0.3118,  
0.2313

# Harmonies

## Analogous

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



30.4302, 0.3428, 0.3790



30.4302, 0.3155, 0.3738



30.4302, 0.2883, 0.3548

# Triad

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



30.4302, 0.3155, 0.3738



30.4302, 0.2647, 0.2874



30.4302, 0.3590, 0.3270

# Complementary

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



30.4302, 0.3155, 0.3738



24.6844, 0.3091, 0.2866

# 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.



30.4302, 0.3364, 0.3050



30.4302, 0.3155, 0.3738



30.4302, 0.2819, 0.2825

# Square

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



30.4302, 0.3155, 0.3738



30.4302, 0.2598, 0.3037



30.4302, 0.3079, 0.2890



30.4302, 0.3687, 0.3504



# Rectangle

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



30.4302, 0.3155, 0.3738



30.4302, 0.2738, 0.3374



30.4302, 0.3079, 0.2890



30.4302, 0.3526, 0.3192

# Sweetspot

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



30.4315, 0.3155, 0.3738



58.7658, 0.3136, 0.3413



30.6590, 0.3393, 0.3628



12.8872, 0.3137, 0.3429



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



30.4315, 0.3155, 0.3738



54.2095, 0.3161, 0.3857



30.2546, 0.3034, 0.3605



7.4572, 0.3143, 0.3519



19.8103, 0.3070, 0.5945



0.3685, 0.3295, 0.5766



# Inverse Universe

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



24.6844, 0.3091, 0.2866



41.6505, 0.3080, 0.2762



24.9074, 0.3234, 0.2995



6.6925, 0.3109, 0.3068



5.7154, 0.2754, 0.1291



0.1169, 0.2949, 0.1398



# Previews

## White Background



This preview shows how the Yxy color 30.4302, 0.3155, 0.3738 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 30.4302, 0.3155, 0.3738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

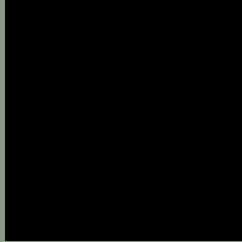
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.4302, 0.3155, 0.3738**

## Background



This preview shows how black text looks on a background with the Yxy color 30.4302, 0.3155, 0.3738.



This preview shows how white text looks on a background with the Yxy color 30.4302, 0.3155, 0.3738.

# 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

30.4302, 0.3155, 0.3738

### Protanopia

30.2704, 0.3449, 0.3649

### Deuteranopia

30.2431, 0.3556, 0.3485



## Tritanopia

30.3530, 0.2912, 0.3102

# Trichromacy



## Original Color

30.4302, 0.3155, 0.3738

## Protanomaly

30.3783, 0.3335, 0.3690

## Deuteranomaly

30.0606, 0.3411, 0.3571

## Tritanomaly

30.4201, 0.2998, 0.3322

# Monochromacy



## Original Color

30.4302, 0.3155, 0.3738

## Achromatopsia

28.7441, 0.3127, 0.3290

## Achromatomaly

29.4569, 0.3140, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.4302, 0.3155, 0.3738 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(134, 156, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 156, 129)  
}
```

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(134, 156, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 156, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 30.4302, 0.3155, 0.3738 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(134, 156, 129) }
```

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

```
.border{ border-color:rgb(134, 156, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 156, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 156, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 156, 129);  
box-shadow:4px 4px 4px 4px rgb(134, 156,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.4302, 0.3155, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 156, 129) }
```

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

```
.background{ background-color: rgb(134,  
156, 129) }
```

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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