

# Converting Colors

$Yxy(37.2211, 0.3087, 0.3983)$

Have a look what the booklet for  
Yxy(37.2211, 0.3087, 0.3983)  
contains.

<b>Yxy(37.1512, 0.3087, 0.3974)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(37.1512, 0.3087, 0.3974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83AF84
RGB	131, 175, 132
RGB Percent	51%, 69%, 52%
CMY	0.4861, 0.3137, 0.4824
CMYK	0.25, 0.00, 0.25, 0.31
HSL	121°, 22%, 60%
HSV	121°, 25%, 69%
XYZ	28.8590, 37.1512, 27.4754
YIQ	156.9420, -12.4210, -22.7010

# Conversions

## Conversions Part 2

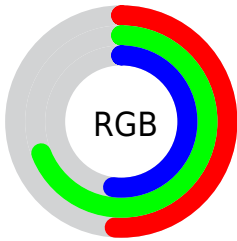
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 174, 175
Decimal	8630148
CIELab	67.39, -23.38, 17.39
CIELCh	67, 29.140, 143.354
Yxy	37.1512, 0.3087, 0.3974
Android (android.graphics.Color)	4286820228 (0xFF83AF84)
YUV	156.9420, -12.2964, -22.7511
Hunter-Lab	60.9518, -22.1507, 15.9399

# Details

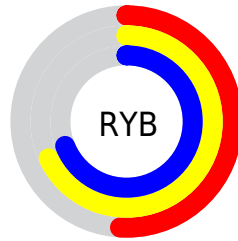
The Yxy color **37.1512, 0.3087, 0.3974** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.4154, 0.3166, 0.2690**, and the grayscale version is **33.7539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9689, 0.3101, 0.3839**, and **16.2337, 0.3061, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **35.4400, 0.3069, 0.4300**, and if you desaturate by 10%, it is **39.1785, 0.3104, 0.3677**.

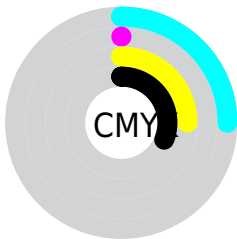
# Distribution



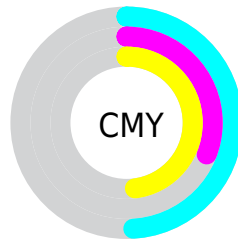
- Red (51%)
- Green (69%)
- Blue (52%)



- Red (51%)
- Yellow (68%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (25%)
- Black (31%)




- Cyan (49%)
- Magenta (31%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1512, 0.3087, 0.3974 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 37.1512, 0.3087, 0.3974 by changing the saturation by 10% instead.





 37.1512, 0.3087,  
0.3974


 37.1512, 0.3087,  
0.3974


333.9647, 0.3115,  
0.3605

 25.3246, 0.3077,  
0.4076


 70.8053, 0.3099,  
0.3833

 16.3190, 0.3061,  
0.4212


 93.4015, 0.3103,  
0.3782

 9.7502, 0.3036,  
0.4405


 120.3564, 0.3107,  
0.3740

 5.2336, 0.2991,  
0.4697

152.0544, 0.3109,  
0.3705

 2.3850, 0.2897,  
0.5188

188.8798, 0.3111,  
0.3675

 0.8182, 0.2018,  
0.7982


231.2170, 0.3113,


 0.0000, 0.0000,

0.3648


0.0000


279.4505, 0.3114,  
0.3625


 37.1512, 0.3087,  
0.3974


 37.1512, 0.3087,  
0.3974


 35.4400, 0.3069,  
0.4300


 39.1785, 0.3104,  
0.3677


 34.0246, 0.3051,  
0.4645


 41.5317, 0.3120,  
0.3413


 32.8896, 0.3034,  
0.4992

 44.2260, 0.3134,  
0.3181

 32.0164, 0.3019,  
0.5320

 47.2742, 0.3147,  
0.2980

 31.3841, 0.3007,  
0.5602

 50.6884, 0.3158,  
0.2808

■ 30.9686, 0.3000,  
0.5814

■ 54.4804, 0.3168,  
0.2659

■ 30.7405, 0.2998,  
0.5945

■ 58.6610, 0.3176,  
0.2532

■ 30.6667, 0.2996,  
0.5985

■ 59.1384, 0.3164,  
0.2507

# Harmonies

## Analogous

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



37.1512, 0.3519, 0.4084



37.1512, 0.3087, 0.3974



37.1512, 0.2684, 0.3633

# Triad

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



37.1512, 0.3087, 0.3974



37.1512, 0.2424, 0.2624



37.1512, 0.3896, 0.3305

# Complementary

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



37.1512, 0.3087, 0.3974



28.4154, 0.3166, 0.2690

# 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.



37.1512, 0.3562, 0.2971



37.1512, 0.3087, 0.3974



37.1512, 0.2706, 0.2589

# Square

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



37.1512, 0.3087, 0.3974



37.1512, 0.2320, 0.2833



37.1512, 0.3119, 0.2716



37.1512, 0.4005, 0.3657



# Rectangle

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



37.1512, 0.3087, 0.3974



37.1512, 0.2483, 0.3342



37.1512, 0.3119, 0.2716



37.1512, 0.3805, 0.3188

# Sweetspot

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



37.1528, 0.3087, 0.3974



73.0487, 0.3115, 0.3489



41.3273, 0.3492, 0.3907



16.0942, 0.3113, 0.3528



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



37.1528, 0.3087, 0.3974



64.8177, 0.3077, 0.4147



37.8119, 0.2920, 0.3619



8.9421, 0.3113, 0.3519



21.9637, 0.2995, 0.5983



0.6119, 0.2974, 0.5906



# Inverse Universe

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



28.4154, 0.3166, 0.2690



46.5352, 0.3174, 0.2560



27.6339, 0.3400, 0.2983



8.1451, 0.3141, 0.3071



8.6399, 0.3263, 0.1571



0.2413, 0.3245, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 37.1512, 0.3087, 0.3974 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 37.1512, 0.3087, 0.3974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

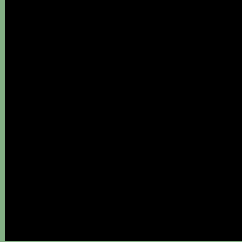
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.1512, 0.3087, 0.3974**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.1512, 0.3087, 0.3974.



This preview shows how white text looks on a background with the Yxy color 37.1512, 0.3087, 0.3974.

# 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

37.1512, 0.3087, 0.3974

### Protanopia

36.7254, 0.3564, 0.3807

### Deuteranopia

36.7103, 0.3654, 0.3578



## Tritanopia

36.9581, 0.2775, 0.3084

# Trichromacy



## Original Color

37.1512, 0.3087, 0.3974

## Protanomaly

36.4915, 0.3374, 0.3861

## Deuteranomaly

36.6250, 0.3427, 0.3713

## Tritanomaly

37.1245, 0.2889, 0.3396

# Monochromacy



## Original Color

37.1512, 0.3087, 0.3974

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

34.9849, 0.3116, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1512, 0.3087, 0.3974 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(131, 175, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 132)  
}
```

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(131, 175, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1512, 0.3087, 0.3974 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(131, 175, 132) }
```

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

```
.border{ border-color:rgb(131, 175, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1512, 0.3087, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 132) }
```

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

```
.background{ background-color: rgb(131,  
175, 132) }
```

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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