

Converting Colors

$Yxy(37.3114, 0.4043, 0.4767)$

Have a look what the booklet for
Yxy(37.3114, 0.4043, 0.4767)
contains.

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Color

Yxy(37.3194, 0.4049, 0.4767)

Conversions

Conversions Part 1

Format	Color
Hex	ABA938
RGB	171, 169, 56
RGB Percent	67%, 66%, 22%
CMY	0.3293, 0.3373, 0.7805
CMYK	0.00, 0.01, 0.67, 0.33
HSL	59°, 51%, 45%
HSV	59°, 67%, 67%
XYZ	31.6984, 37.3194, 9.2692
YIQ	156.7160, 37.4650, -34.7190

Conversions

Conversions Part 2

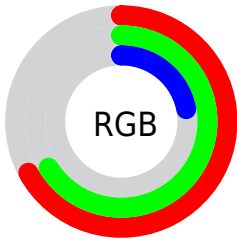
Format	Color
RYB	58, 171, 56
Decimal	11249976
CIELab	67.52, -13.24, 56.01
CIELCh	68, 57.556, 103.303
Yxy	37.3194, 0.4049, 0.4767
Android (android.graphics.Color)	4289440056 (0xFFABA938)
YUV	156.7160, -49.6530, 12.5271
Hunter-Lab	61.0896, -14.2861, 33.7666

Details

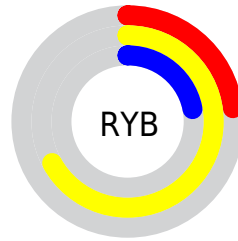
The Yxy color **37.3194, 0.4049, 0.4767** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.8049, 0.1854, 0.1202**, and the grayscale version is **33.7976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0734, 0.3913, 0.4506**, and **16.3674, 0.4165, 0.5075** is the 20% darker color. If you saturate the color by 10%, you get **37.0702, 0.4130, 0.4892**, and if you desaturate by 10%, it is **37.6295, 0.3944, 0.4603**.

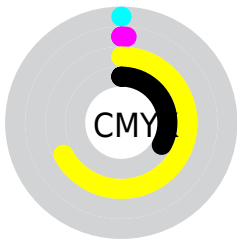
Distribution



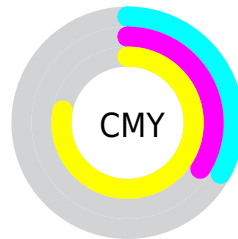
- Red (67%)
- Green (66%)
- Blue (22%)



- Red (23%)
- Yellow (67%)
- Blue (22%)



- Cyan (0%)
- Magenta (1%)
- Yellow (67%)
- Black (33%)





- Cyan (33%)
- Magenta (34%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3194, 0.4049, 0.4767 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 37.3194, 0.4049, 0.4767 by changing the saturation by 10% instead.

 37.3194, 0.4049,
0.4767


 37.3194, 0.4049,
0.4767


334.6913, 0.3625,
0.4023

 25.4549, 0.4128,
0.4937


 71.0638, 0.3911,
0.4504

 16.4163, 0.4209,
0.5139


 93.7124, 0.3854,
0.4403


 9.8192, 0.4285,
0.5383


 120.7245, 0.3803,
0.4316

 5.2792, 0.4328,
0.5672

 152.4845, 0.3759,
0.4241

 2.4120, 0.4160,
0.5840

 189.3768, 0.3719,
0.4176

 0.8321, 0.3598,
0.6402

 231.7858, 0.3684,

 0.0000, 0.0000,

0.4118

0.0000

280.0958, 0.3653,
0.4068

■ 37.3194, 0.4049,
0.4767

■ 37.3194, 0.4049,
0.4767

■ 37.0702, 0.4130,
0.4892

■ 37.6295, 0.3944,
0.4603

■ 36.8705, 0.4185,
0.4975

■ 38.0005, 0.3820,
0.4405

■ 36.7128, 0.4217,
0.5019

■ 38.4389, 0.3681,
0.4183

■ 36.6724, 0.4224,
0.5028

■ 38.9487, 0.3533,
0.3946

■ 39.5339, 0.3382,
0.3703

■ 40.1981, 0.3233,
0.3461

■ 40.9446, 0.3088,
0.3227

■ 41.7766, 0.2952,
0.3005

■ 42.6971, 0.2824,
0.2797

Harmonies

Analogous

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



37.3194, 0.4641, 0.4267



37.3194, 0.4049, 0.4767



37.3194, 0.3258, 0.4857

Triad

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



37.3194, 0.4049, 0.4767



37.3194, 0.1678, 0.2559



37.3194, 0.3675, 0.2521

Complementary

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



37.3194, 0.4049, 0.4767



6.8049, 0.1854, 0.1202

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.



37.3194, 0.2798, 0.2155



37.3194, 0.4049, 0.4767



37.3194, 0.1754, 0.2126

Square

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



37.3194, 0.4049, 0.4767



37.3194, 0.1914, 0.3344



37.3194, 0.2128, 0.2009



37.3194, 0.4469, 0.3047

Rectangle

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



37.3194, 0.4049, 0.4767



37.3194, 0.2721, 0.4546



37.3194, 0.2128, 0.2009



37.3194, 0.3373, 0.2378

Sweetspot

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



37.3211, 0.4049, 0.4767



70.4506, 0.3429, 0.3778



11.8090, 0.5232, 0.3248



15.6465, 0.3470, 0.3845



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.



37.3211, 0.4049, 0.4767



66.1814, 0.4161, 0.4940



33.2218, 0.3495, 0.5124



9.3058, 0.3263, 0.3510



27.6482, 0.4223, 0.5029



0.7766, 0.4214, 0.5036

Inverse Universe

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



6.8049, 0.1854, 0.1202



7.6611, 0.1631, 0.0829



9.0589, 0.2379, 0.1422



7.7789, 0.2985, 0.3060



2.2738, 0.1504, 0.0614



0.0704, 0.1521, 0.0675

Previews

White Background



This preview shows how the Yxy color 37.3194, 0.4049, 0.4767 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 Xy color 37.3194, 0.4049, 0.4767 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 37.3194, 0.4049, 0.4767

Background



This preview shows how black text looks on a background with the Yxy color 37.3194, 0.4049, 0.4767.



This preview shows how white text looks on a background with the Yxy color 37.3194, 0.4049, 0.4767.

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

37.3194, 0.4049, 0.4767

Protanopia

37.3764, 0.4222, 0.4653

Deuteranopia

37.0823, 0.4488, 0.4394



Tritanopia

37.1798, 0.3241, 0.3127

Trichromacy



Original Color

37.3194, 0.4049, 0.4767

Protanomaly

37.1320, 0.4162, 0.4695

Deuteranomaly

37.1430, 0.4327, 0.4524

Tritanomaly

36.7728, 0.3580, 0.3760

Monochromacy



Original Color

37.3194, 0.4049, 0.4767

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5272, 0.3512, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3194, 0.4049, 0.4767 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(171, 169, 56)` looks like.

```
.text, #text, p{  
    color:rgb(171, 169, 56)  
}
```

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(171, 169, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 169, 56) }
```

Border

The CSS property to change the border of an element to Yxy 37.3194, 0.4049, 0.4767 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(171, 169, 56) }
```

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

```
.border{ border-color:rgb(171, 169, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 169, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 169, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 169, 56);  
box-shadow:4px 4px 4px 4px rgb(171, 169,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3194, 0.4049, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 169, 56) }
```

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

```
.background{ background-color: rgb(171,  
169, 56) }
```

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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