

Converting Colors

Yxy(38.0160, 0.4169, 0.5013)

Have a look what the booklet for
Yxy(38.0160, 0.4169, 0.5013)
contains.

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Color

Yxy(37.8242, 0.4169, 0.5013)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB11
RGB	171, 171, 17
RGB Percent	67%, 67%, 7%
CMY	0.3295, 0.3294, 0.9334
CMYK	0.00, 0.00, 0.90, 0.33
HSL	60°, 82%, 37%
HSV	60°, 90%, 67%
XYZ	31.4560, 37.8242, 6.1720
YIQ	153.4440, 49.4340, -47.8940

Conversions

Conversions Part 2

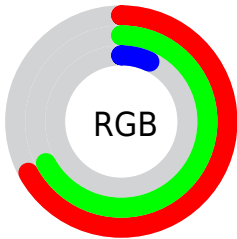
Format	Color
RYB	17, 171, 17
Decimal	11250449
CIELab	67.89, -15.75, 67.81
CIELCh	68, 69.616, 103.072
Yxy	37.8242, 0.4169, 0.5013
Android (android.graphics.Color)	4289440529 (0xFFABAB11)
YUV	153.4440, -67.2669, 15.3966
Hunter-Lab	61.5014, -16.3303, 37.1009

Details

The Yxy color **37.8242, 0.4169, 0.5013** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.4602, 0.1556, 0.0692**, and the grayscale version is **32.3415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8402, 0.4038, 0.4725**, and **16.7711, 0.4123, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **37.7852, 0.4193, 0.5053**, and if you desaturate by 10%, it is **37.9018, 0.4125, 0.4941**.

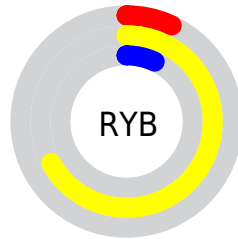
Distribution



Red (67%)

Green (67%)

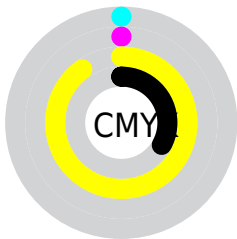
Blue (7%)



Red (7%)

Yellow (67%)

Blue (7%)

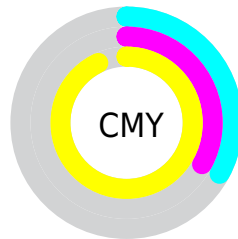


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8242, 0.4169, 0.5013 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 37.8242, 0.4169, 0.5013 by changing the saturation by 10% instead.

 37.8242, 0.4169,
0.5013


 37.8242, 0.4169,
0.5013


336.8652, 0.3722,
0.4173

 25.8463, 0.4235,
0.5187


 71.8386, 0.4036,
0.4728

 16.7087, 0.4286,
0.5381


 94.6439, 0.3977,
0.4614

 10.0270, 0.4350,
0.5650


 121.8270, 0.3922,
0.4515

 5.4169, 0.4228,
0.5772

 153.7725, 0.3874,
0.4428

 2.4939, 0.4030,
0.5970

 190.8647, 0.3830,
0.4352

 0.8736, 0.3380,
0.6620

 233.4879, 0.3790,

 0.0000, 0.0000,

0.4285

0.0000

282.0266, 0.3754,
0.4226

■ 37.8242, 0.4169,
0.5013

■ 37.8242, 0.4169,
0.5013

■ 37.7852, 0.4193,
0.5053

■ 37.9018, 0.4125,
0.4941

■ 38.0268, 0.4056,
0.4826

■ 38.2073, 0.3962,
0.4671

■ 38.4488, 0.3847,
0.4480

■ 38.7561, 0.3715,
0.4262

■ 39.1335, 0.3572,
0.4025

■ 39.5850, 0.3423,
0.3779

■ 40.1142, 0.3274,
0.3533

■ 40.7245, 0.3128,
0.3292

Harmonies

Analogous

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



37.8242, 0.4887, 0.4366



37.8242, 0.4169, 0.5013



37.8242, 0.3244, 0.5210

Triad

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



37.8242, 0.4169, 0.5013



37.8242, 0.1451, 0.2405



37.8242, 0.3765, 0.2385

Complementary

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



37.8242, 0.4169, 0.5013



3.4602, 0.1556, 0.0692

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.



37.8242, 0.2718, 0.1974



37.8242, 0.4169, 0.5013



37.8242, 0.1540, 0.1926

Square

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



37.8242, 0.4169, 0.5013



37.8242, 0.1702, 0.3340



37.8242, 0.1953, 0.1808



37.8242, 0.4734, 0.2974

Rectangle

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



37.8242, 0.4169, 0.5013



37.8242, 0.2621, 0.4852



37.8242, 0.1953, 0.1808



37.8242, 0.3400, 0.2224

Sweetspot

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



37.8260, 0.4169, 0.5013



70.2742, 0.3534, 0.3962



9.0997, 0.6199, 0.3299



15.6160, 0.3582, 0.4042



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.



37.8260, 0.4169, 0.5013



67.6631, 0.4193, 0.5053



31.5493, 0.3417, 0.5591



9.3302, 0.3263, 0.3514



28.4811, 0.4193, 0.5053



0.7923, 0.4193, 0.5053

Inverse Universe

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



3.4602, 0.1556, 0.0692



5.2661, 0.1500, 0.0600



5.7204, 0.2139, 0.1006



7.7573, 0.2985, 0.3056



2.2167, 0.1500, 0.0600



0.0617, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 37.8242, 0.4169, 0.5013 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 37.8242, 0.4169, 0.5013 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 37.8242, 0.4169, 0.5013

Background



This preview shows how black text looks on a background with the Yxy color 37.8242, 0.4169, 0.5013.



This preview shows how white text looks on a background with the Yxy color 37.8242, 0.4169, 0.5013.

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

37.8242, 0.4169, 0.5013

Protanopia

37.8717, 0.4384, 0.4852

Deuteranopia

37.7630, 0.4658, 0.4559



Tritanopia

37.6816, 0.3241, 0.3128

Trichromacy



Original Color

37.8242, 0.4169, 0.5013

Protanomaly

37.8664, 0.4302, 0.4913

Deuteranomaly

37.5130, 0.4484, 0.4725

Tritanomaly

36.8972, 0.3716, 0.3969

Monochromacy



Original Color

37.8242, 0.4169, 0.5013

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.6147, 0.3641, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8242, 0.4169, 0.5013 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, 171, 17)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 17)  
}
```

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, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 17) }
```

Border

The CSS property to change the border of an element to Yxy 37.8242, 0.4169, 0.5013 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, 171, 17) }
```

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

```
.border{ border-color:rgb(171, 171, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 17);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8242, 0.4169, 0.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 17) }
```

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

```
.background{ background-color: rgb(171,  
171, 17) }
```

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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