

Converting Colors

$Yxy(37.8067, 0.4171, 0.5023)$

Have a look what the booklet for
Yxy(37.8067, 0.4171, 0.5023)
contains.

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Color

Yxy(37.8155, 0.4174, 0.5021)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB0E
RGB	171, 171, 14
RGB Percent	67%, 67%, 5%
CMY	0.3294, 0.3294, 0.9445
CMYK	0.00, 0.00, 0.92, 0.33
HSL	60°, 85%, 36%
HSV	60°, 92%, 67%
XYZ	31.4363, 37.8155, 6.0628
YIQ	153.1020, 50.3970, -48.8270

Conversions

Conversions Part 2

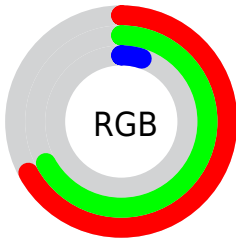
Format	Color
RYB	14, 171, 14
Decimal	11250446
CIELab	67.88, -15.79, 68.26
CIELCh	68, 70.059, 103.025
Yxy	37.8155, 0.4174, 0.5021
Android (android.graphics.Color)	4289440526 (0xFFABAB0E)
YUV	153.1020, -68.5773, 15.6965
Hunter-Lab	61.4943, -16.3645, 37.2005

Details

The Yxy color **37.8155, 0.4174, 0.5021** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.3535, 0.1544, 0.0673**, and the grayscale version is **32.1983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8249, 0.4042, 0.4732**, and **16.7711, 0.4123, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **37.7850, 0.4193, 0.5053**, and if you desaturate by 10%, it is **37.8856, 0.4134, 0.4955**.

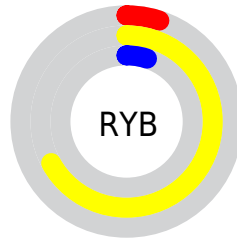
Distribution



Red (67%)

Green (67%)

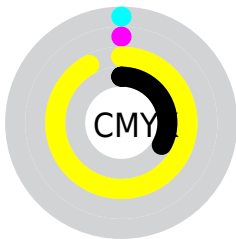
Blue (5%)



Red (5%)

Yellow (67%)

Blue (5%)

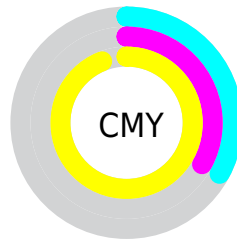


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8155, 0.4174, 0.5021 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 37.8155, 0.4174, 0.5021 by changing the saturation by 10% instead.


 37.8155, 0.4174,
0.5021

 37.8155, 0.4174,
0.5021


336.8279, 0.3726,
0.4178

 25.8395, 0.4239,
0.5195


 71.8253, 0.4042,
0.4736

 16.7036, 0.4290,
0.5388


 94.6278, 0.3982,
0.4621


 10.0234, 0.4349,
0.5651


 121.8081, 0.3927,
0.4522

 5.4145, 0.4226,
0.5774

 153.7503, 0.3878,
0.4435

 2.4924, 0.4027,
0.5973

 190.8391, 0.3834,
0.4358

 0.8729, 0.3373,
0.6627

 233.4586, 0.3794,

 0.0000, 0.0000,

0.4291

0.0000

281.9934, 0.3758,
0.4232

■ 37.8155, 0.4174,
0.5021

■ 37.8155, 0.4174,
0.5021

■ 37.7850, 0.4193,
0.5053

■ 37.8856, 0.4134,
0.4955

■ 38.0019, 0.4069,
0.4848

■ 38.1726, 0.3979,
0.4699

■ 38.4036, 0.3867,
0.4514

■ 38.6995, 0.3738,
0.4300

■ 39.0649, 0.3596,
0.4065

■ 39.5037, 0.3448,
0.3820

■ 40.0196, 0.3298,
0.3573

■ 40.6162, 0.3152,
0.3331

Harmonies

Analogous

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



37.8155, 0.4897, 0.4368



37.8155, 0.4174, 0.5021



37.8155, 0.3244, 0.5223

Triad

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



37.8155, 0.4174, 0.5021



37.8155, 0.1443, 0.2401



37.8155, 0.3767, 0.2380

Complementary

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



37.8155, 0.4174, 0.5021



3.3535, 0.1544, 0.0673

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.



37.8155, 0.2714, 0.1967



37.8155, 0.4174, 0.5021



37.8155, 0.1532, 0.1919

Square

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



37.8155, 0.4174, 0.5021



37.8155, 0.1695, 0.3341



37.8155, 0.1946, 0.1801



37.8155, 0.4743, 0.2970

Rectangle

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



37.8155, 0.4174, 0.5021



37.8155, 0.2618, 0.4865



37.8155, 0.1946, 0.1801



37.8155, 0.3400, 0.2218

Sweetspot

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



37.8173, 0.4174, 0.5021



70.1966, 0.3549, 0.3987



9.0090, 0.6239, 0.3299



15.5853, 0.3610, 0.4089



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.



37.8173, 0.4174, 0.5021



67.6656, 0.4193, 0.5053



31.4656, 0.3409, 0.5612



9.3302, 0.3263, 0.3514



28.4821, 0.4193, 0.5053



0.7924, 0.4193, 0.5053

Inverse Universe

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



3.3535, 0.1544, 0.0673



5.2660, 0.1500, 0.0600



5.5642, 0.2120, 0.0984



7.7573, 0.2985, 0.3056



2.2166, 0.1500, 0.0600



0.0617, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 37.8155, 0.4174, 0.5021 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 37.8155, 0.4174, 0.5021 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 37.8155, 0.4174, 0.5021

Background



This preview shows how black text looks on a background with the Yxy color 37.8155, 0.4174, 0.5021.



This preview shows how white text looks on a background with the Yxy color 37.8155, 0.4174, 0.5021.

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

37.8155, 0.4174, 0.5021

Protanopia

37.8614, 0.4390, 0.4862

Deuteranopia

37.7580, 0.4661, 0.4563



Tritanopia

37.6816, 0.3241, 0.3128

Trichromacy



Original Color

37.8155, 0.4174, 0.5021

Protanomaly

37.8556, 0.4308, 0.4923

Deuteranomaly

37.5087, 0.4487, 0.4728

Tritanomaly

36.8743, 0.3726, 0.3983

Monochromacy



Original Color

37.8155, 0.4174, 0.5021

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.5945, 0.3650, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8155, 0.4174, 0.5021 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 14) }
```

Border

The CSS property to change the border of an element to Yxy 37.8155, 0.4174, 0.5021 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, 14) }
```

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

```
.border{ border-color:rgb(171, 171, 14) }
```

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, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 14);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8155, 0.4174, 0.5021 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, 14) }
```

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

```
.background{ background-color: rgb(171,  
171, 14) }
```

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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