

Converting Colors

$Y_{xy}(37.3222, 0.4040, 0.5174)$

Have a look what the booklet for
Yxy(37.3222, 0.4040, 0.5174)
contains.

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Color

Yxy(37.1562, 0.4043, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	9EAD00
RGB	158, 173, 0
RGB Percent	62%, 68%, 0%
CMY	0.3804, 0.3216, 1.0000
CMYK	0.09, 0.00, 1.00, 0.32
HSL	65°, 100%, 34%
HSV	65°, 100%, 68%
XYZ	29.0453, 37.1562, 5.6395
YIQ	148.7930, 46.5930, -56.9830

Conversions

Conversions Part 2

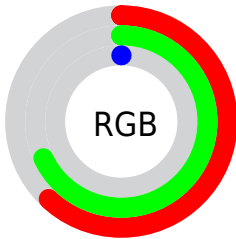
Format	Color
RYB	0, 173, 15
Decimal	10398976
CIELab	67.39, -22.67, 69.23
CIElCh	67, 72.850, 108.135
Yxy	37.1562, 0.4043, 0.5172
Android (android.graphics.Color)	4288589056 (0xFF9EAD00)
YUV	148.7930, -73.3549, 8.0745
Hunter-Lab	60.9559, -21.6179, 37.1837

Details

The Yxy color **37.1562, 0.4043, 0.5172** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1187, 0.1530, 0.0616**, and the grayscale version is **30.2646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6216, 0.3941, 0.4849**, and **16.4995, 0.3929, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **37.1580, 0.4043, 0.5172**, and if you desaturate by 10%, it is **37.3524, 0.4034, 0.5117**.

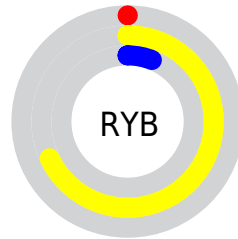
Distribution



Red (62%)

Green (68%)

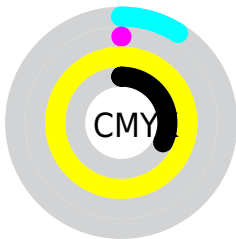
Blue (0%)



Red (0%)

Yellow (68%)

Blue (6%)

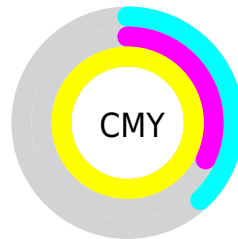


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (38%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1562, 0.4043, 0.5172 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 37.1562, 0.4043, 0.5172 by changing the saturation by 10% instead.


 37.1562, 0.4043,
0.5172


 37.1562, 0.4043,
0.5172


333.9863, 0.3671,
0.4236

 25.3285, 0.4085,
0.5372


 70.8130, 0.3941,
0.4850

 16.3219, 0.4103,
0.5598


 93.4108, 0.3892,
0.4722


 9.7522, 0.4105,
0.5895


 120.3674, 0.3846,
0.4612

 5.2350, 0.3921,
0.6079

 152.0672, 0.3804,
0.4516

 2.3858, 0.3624,
0.6376

 188.8946, 0.3766,
0.4433

 0.8186, 0.2152,
0.7848

 231.2340, 0.3731,

 0.0000, 0.0000,

0.4359

0.0000

279.4697, 0.3700,
0.4294

■ 37.1562, 0.4043,
0.5172

■ 37.1562, 0.4043,
0.5172

■ 37.1580, 0.4043,
0.5172

■ 37.3524, 0.4034,
0.5117

■ 37.5848, 0.4005,
0.5027

■ 37.8696, 0.3950,
0.4895

■ 38.2133, 0.3872,
0.4721

■ 38.6216, 0.3772,
0.4514

■ 39.0994, 0.3655,
0.4282

■ 39.6512, 0.3527,
0.4035

■ 40.2810, 0.3394,
0.3783

■ 40.9926, 0.3259,
0.3532

Harmonies

Analogous

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



37.1562, 0.4853, 0.4517



37.1562, 0.4043, 0.5172



37.1562, 0.3066, 0.5270

Triad

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



37.1562, 0.4043, 0.5172



37.1562, 0.1378, 0.2242



37.1562, 0.3988, 0.2438

Complementary

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



37.1562, 0.4043, 0.5172



3.1187, 0.1530, 0.0616

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.



37.1562, 0.2865, 0.1977



37.1562, 0.4043, 0.5172



37.1562, 0.1526, 0.1825

Square

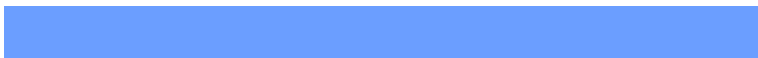
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.1562, 0.4043, 0.5172



37.1562, 0.1568, 0.3135



37.1562, 0.2010, 0.1760



37.1562, 0.4941, 0.3065

Rectangle

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



37.1562, 0.4043, 0.5172



37.1562, 0.2434, 0.4784



37.1562, 0.2010, 0.1760



37.1562, 0.3604, 0.2261

Sweetspot

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



37.1580, 0.4043, 0.5172



70.9565, 0.3534, 0.4049



9.2099, 0.6334, 0.3353



15.3301, 0.3587, 0.4150



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.



37.1580, 0.4043, 0.5172



66.4991, 0.4040, 0.5174



31.2689, 0.3264, 0.5791



9.2944, 0.3250, 0.3515



27.3098, 0.4045, 0.5171



0.7698, 0.4093, 0.5132

Inverse Universe

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



3.1187, 0.1530, 0.0616



5.5465, 0.1524, 0.0613



5.7792, 0.2200, 0.0985



7.7892, 0.2998, 0.3057



2.3024, 0.1534, 0.0619



0.0745, 0.1679, 0.0699

Previews

White Background



This preview shows how the Yxy color 37.1562, 0.4043, 0.5172 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 37.1562, 0.4043, 0.5172 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 37.1562, 0.4043, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 37.1562, 0.4043, 0.5172.



This preview shows how white text looks on a background with the Yxy color 37.1562, 0.4043, 0.5172.

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

37.1562, 0.4043, 0.5172

Protanopia

36.8652, 0.4408, 0.4882

Deuteranopia

36.7968, 0.4666, 0.4557



Tritanopia

37.1648, 0.3116, 0.3123

Trichromacy



Original Color

37.1562, 0.4043, 0.5172

Protanomaly

36.7514, 0.4275, 0.4988

Deuteranomaly

36.7032, 0.4442, 0.4793

Tritanomaly

36.1430, 0.3628, 0.4099

Monochromacy



Original Color

37.1562, 0.4043, 0.5172

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.9553, 0.3644, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1562, 0.4043, 0.5172 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(158, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 173, 0)  
}
```

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(158, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.1562, 0.4043, 0.5172 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(158, 173, 0) }
```

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

```
.border{ border-color:rgb(158, 173, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1562, 0.4043, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 173, 0) }
```

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

```
.background{ background-color: rgb(158,  
173, 0) }
```

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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