

Converting Colors

$Y_{xy}(37.2293, 0.4062, 0.5157)$

Have a look what the booklet for
Yxy(37.2293, 0.4062, 0.5157)
contains.

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Color

Yxy(37.3607, 0.4063, 0.5156)

Conversions

Conversions Part 1

Format	Color
Hex	A0AD00
RGB	160, 173, 0
RGB Percent	63%, 68%, 0%
CMY	0.3725, 0.3216, 1.0000
CMYK	0.08, 0.00, 1.00, 0.32
HSL	65°, 100%, 34%
HSV	65°, 100%, 68%
XYZ	29.4408, 37.3607, 5.6592
YIQ	149.3910, 47.7850, -56.5590

Conversions

Conversions Part 2

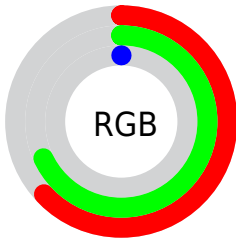
Format	Color
RYB	0, 173, 13
Decimal	10530048
CIELab	67.55, -21.81, 69.41
CIELCh	68, 72.754, 107.445
Yxy	37.3607, 0.4063, 0.5156
Android (android.graphics.Color)	4288720128 (0xFFA0AD00)
YUV	149.3910, -73.6498, 9.3041
Hunter-Lab	61.1234, -20.9895, 37.2970

Details

The Yxy color **37.3607, 0.4063, 0.5156** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1029, 0.1525, 0.0614**, and the grayscale version is **30.5312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9281, 0.3957, 0.4839**, and **16.6178, 0.3957, 0.5240** is the 20% darker color. If you saturate the color by 10%, you get **37.3624, 0.4063, 0.5156**, and if you desaturate by 10%, it is **37.5386, 0.4052, 0.5103**.

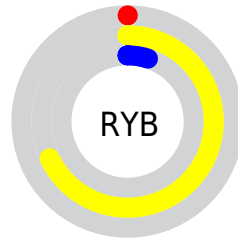
Distribution



Red (63%)

Green (68%)

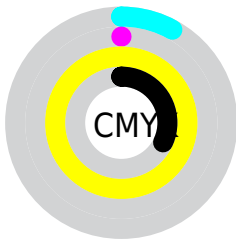
Blue (0%)



Red (0%)

Yellow (68%)

Blue (5%)

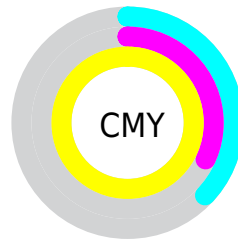


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (37%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3607, 0.4063, 0.5156 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 37.3607, 0.4063, 0.5156 by changing the saturation by 10% instead.


 37.3607, 0.4063,
0.5156

 37.3607, 0.4063,
0.5156


334.8695, 0.3681,
0.4232

 25.4869, 0.4108,
0.5352

 71.1272, 0.3958,
0.4839

 16.4402, 0.4129,
0.5573


 93.7887, 0.3907,
0.4713


 9.8362, 0.4137,
0.5863

 120.8148, 0.3860,
0.4604

 5.2905, 0.3962,
0.6038

 152.5900, 0.3817,
0.4509

 2.4187, 0.3679,
0.6321

 189.4987, 0.3778,
0.4427

 0.8355, 0.2385,
0.7615

 231.9253, 0.3742,

 0.0000, 0.0000,

0.4354

0.0000

280.2541, 0.3710,
0.4289

■ 37.3607, 0.4063,
0.5156

■ 37.3607, 0.4063,
0.5156

■ 37.3624, 0.4063,
0.5156

■ 37.5386, 0.4052,
0.5103

■ 37.7523, 0.4021,
0.5016

■ 38.0179, 0.3965,
0.4885

■ 38.3420, 0.3884,
0.4715

■ 38.7302, 0.3782,
0.4510

■ 39.1875, 0.3663,
0.4280

■ 39.7183, 0.3533,
0.4034

■ 40.3267, 0.3398,
0.3782

■ 41.0164, 0.3261,
0.3532

Harmonies

Analogous

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



37.3607, 0.4864, 0.4498



37.3607, 0.4063, 0.5156



37.3607, 0.3090, 0.5272

Triad

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



37.3607, 0.4063, 0.5156



37.3607, 0.1383, 0.2260



37.3607, 0.3959, 0.2428

Complementary

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



37.3607, 0.4063, 0.5156



3.1029, 0.1525, 0.0614

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.



37.3607, 0.2842, 0.1972



37.3607, 0.4063, 0.5156



37.3607, 0.1523, 0.1833

Square

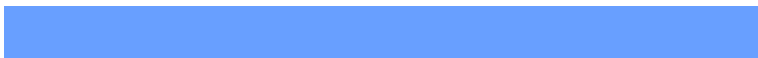
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.3607, 0.4063, 0.5156



37.3607, 0.1581, 0.3162



37.3607, 0.1997, 0.1762



37.3607, 0.4920, 0.3051

Rectangle

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



37.3607, 0.4063, 0.5156



37.3607, 0.2457, 0.4803



37.3607, 0.1997, 0.1762



37.3607, 0.3576, 0.2252

Sweetspot

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



37.3624, 0.4063, 0.5156



71.0764, 0.3540, 0.4047



9.1365, 0.6349, 0.3341



15.3595, 0.3594, 0.4148



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.



37.3624, 0.4063, 0.5156



66.8687, 0.4061, 0.5158



31.3835, 0.3283, 0.5775



9.2991, 0.3252, 0.3515



27.4577, 0.4064, 0.5155



0.7727, 0.4106, 0.5122

Inverse Universe

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



3.1029, 0.1525, 0.0614



5.5215, 0.1520, 0.0611



5.6160, 0.2164, 0.0966



7.7849, 0.2997, 0.3056



2.2898, 0.1529, 0.0616



0.0728, 0.1656, 0.0686

Previews

White Background



This preview shows how the Yxy color 37.3607, 0.4063, 0.5156 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 37.3607, 0.4063, 0.5156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

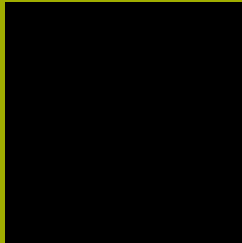
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3607, 0.4063, 0.5156

Background



This preview shows how black text looks on a background with the Yxy color 37.3607, 0.4063, 0.5156.



This preview shows how white text looks on a background with the Yxy color 37.3607, 0.4063, 0.5156.

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

37.3607, 0.4063, 0.5156

Protanopia

37.2246, 0.4397, 0.4891

Deuteranopia

37.1262, 0.4657, 0.4571



Tritanopia

37.2775, 0.3126, 0.3124

Trichromacy



Original Color

37.3607, 0.4063, 0.5156

Protanomaly

37.2354, 0.4274, 0.4988

Deuteranomaly

36.8315, 0.4452, 0.4785

Tritanomaly

36.3609, 0.3649, 0.4093

Monochromacy



Original Color

37.3607, 0.4063, 0.5156

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.0522, 0.3655, 0.4271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3607, 0.4063, 0.5156 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(160, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.3607, 0.4063, 0.5156 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(160, 173, 0) }
```

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

```
.border{ border-color:rgb(160, 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(160, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3607, 0.4063, 0.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 173, 0) }
```

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

```
.background{ background-color: rgb(160,  
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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