

Converting Colors

$Yxy(37.6248, 0.3887, 0.4571)$

Have a look what the booklet for
Yxy(37.6248, 0.3887, 0.4571)
contains.

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Color

Yxy(37.7345, 0.3886, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	A9AA4E
RGB	169, 170, 78
RGB Percent	66%, 67%, 31%
CMY	0.3372, 0.3333, 0.6942
CMYK	0.01, 0.00, 0.54, 0.33
HSL	61°, 37%, 49%
HSV	61°, 54%, 67%
XYZ	32.1148, 37.7345, 12.7930
YIQ	159.2130, 28.9360, -28.8240

Conversions

Conversions Part 2

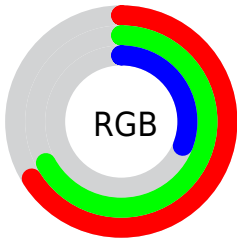
Format	Color
RYB	78, 170, 79
Decimal	11119182
CIELab	67.82, -13.06, 46.57
CIELCh	68, 48.365, 105.668
Yxy	37.7345, 0.3886, 0.4566
Android (android.graphics.Color)	4289309262 (0xFFA9AA4E)
YUV	159.2130, -40.0380, 8.5832
Hunter-Lab	61.4284, -14.1798, 30.6522

Details

The Yxy color **37.7345, 0.3886, 0.4566** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.0073, 0.2113, 0.1602**, and the grayscale version is **34.9515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6309, 0.3763, 0.4325**, and **16.6763, 0.4054, 0.4922** is the 20% darker color. If you saturate the color by 10%, you get **37.5033, 0.3991, 0.4745**, and if you desaturate by 10%, it is **38.0323, 0.3762, 0.4356**.

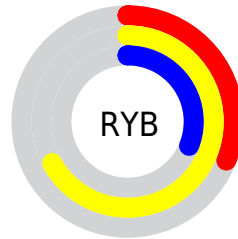
Distribution



Red (66%)

Green (67%)

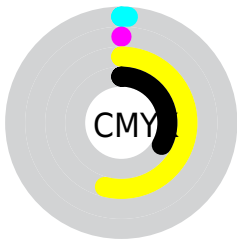
Blue (31%)



Red (31%)

Yellow (67%)

Blue (31%)

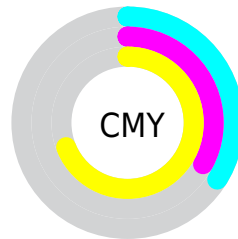


Cyan (1%)

Magenta (0%)

Yellow (54%)

Black (33%)



Cyan (34%)


Magenta (33%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7345, 0.3886, 0.4566 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 37.7345, 0.3886, 0.4566 by changing the saturation by 10% instead.

 37.7345, 0.3886,
0.4566


 37.7345, 0.3886,
0.4566


336.4797, 0.3525,
0.3910


 25.7767, 0.3961,
0.4726


 71.7010, 0.3764,
0.4328


 16.6567, 0.4046,
0.4925


 94.4785, 0.3715,
0.4238


 9.9900, 0.4132,
0.5172


 121.6314, 0.3672,
0.4162

 5.3923, 0.4295,
0.5603

 153.5439, 0.3635,
0.4097

 2.4792, 0.4177,
0.5823

 190.6007, 0.3603,
0.4040

 0.8662, 0.3680,
0.6320

233.1859, 0.3574,

 0.0000, 0.0000,

0.3991

0.0000

281.6841, 0.3548,
0.3948

■ 37.7345, 0.3886,
0.4566

■ 37.7345, 0.3886,
0.4566

■ 37.5033, 0.3991,
0.4745

■ 38.0323, 0.3762,
0.4356

■ 37.3284, 0.4074,
0.4886

■ 38.3958, 0.3625,
0.4124

■ 37.2058, 0.4131,
0.4986

■ 38.8308, 0.3479,
0.3880

■ 37.1288, 0.4163,
0.5044

■ 39.3411, 0.3332,
0.3633

■ 37.0953, 0.4175,
0.5067

■ 39.9301, 0.3186,
0.3388

■ 40.6010, 0.3046,
0.3154

■ 41.3569, 0.2913,
0.2932

■ 42.2007, 0.2789,
0.2725

■ 43.1352, 0.2675,
0.2535

Harmonies

Analogous

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



37.7345, 0.4396, 0.4194



37.7345, 0.3886, 0.4566



37.7345, 0.3205, 0.4561

Triad

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



37.7345, 0.3886, 0.4566



37.7345, 0.1872, 0.2645



37.7345, 0.3651, 0.2665

Complementary

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



37.7345, 0.3886, 0.4566



10.0073, 0.2113, 0.1602

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.



37.7345, 0.2911, 0.2328



37.7345, 0.3886, 0.4566



37.7345, 0.1958, 0.2279

Square

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



37.7345, 0.3886, 0.4566



37.7345, 0.2067, 0.3290



37.7345, 0.2311, 0.2186



37.7345, 0.4291, 0.3138

Rectangle

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



37.7345, 0.3886, 0.4566



37.7345, 0.2748, 0.4272



37.7345, 0.2311, 0.2186



37.7345, 0.3401, 0.2534

Sweetspot

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



37.7362, 0.3886, 0.4566



71.1697, 0.3364, 0.3686



14.5406, 0.4684, 0.3295



15.8288, 0.3393, 0.3735



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.



37.7362, 0.3886, 0.4566



67.9735, 0.4010, 0.4777



33.5828, 0.3434, 0.4794



8.7697, 0.3261, 0.3513



27.2898, 0.4175, 0.5067



0.6652, 0.4182, 0.5062

Inverse Universe

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



10.0073, 0.2113, 0.1602



12.3346, 0.1876, 0.1211



12.6312, 0.2597, 0.1794



7.3042, 0.2988, 0.3057



2.1451, 0.1504, 0.0602



0.0533, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 37.7345, 0.3886, 0.4566 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 37.7345, 0.3886, 0.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

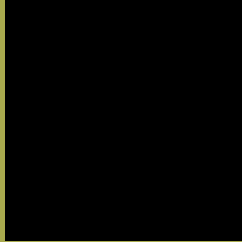
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7345, 0.3886, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 37.7345, 0.3886, 0.4566.



This preview shows how white text looks on a background with the Yxy color 37.7345, 0.3886, 0.4566.

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

37.7345, 0.3886, 0.4566

Protanopia

37.5134, 0.4072, 0.4451

Deuteranopia

37.4045, 0.4310, 0.4223



Tritanopia

37.7039, 0.3202, 0.3127

Trichromacy



Original Color

37.7345, 0.3886, 0.4566

Protanomaly

37.6382, 0.4006, 0.4498

Deuteranomaly

37.4962, 0.4155, 0.4345

Tritanomaly

37.4999, 0.3469, 0.3660

Monochromacy



Original Color

37.7345, 0.3886, 0.4566

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.5926, 0.3425, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7345, 0.3886, 0.4566 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(169, 170, 78)` looks like.

```
.text, #text, p{  
    color:rgb(169, 170, 78)  
}
```

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(169, 170, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 170, 78) }
```

Border

The CSS property to change the border of an element to Yxy 37.7345, 0.3886, 0.4566 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(169, 170, 78) }
```

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

```
.border{ border-color:rgb(169, 170, 78) }
```

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

Here you see how a box with a 4 pixel rgb(169, 170, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 170, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 170, 78);  
box-shadow:4px 4px 4px 4px rgb(169, 170,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7345, 0.3886, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 170, 78) }
```

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

```
.background{ background-color: rgb(169,  
170, 78) }
```

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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