

Converting Colors

$Yxy(37.6639, 0.4449, 0.5002)$

Have a look what the booklet for
Yxy(37.6639, 0.4449, 0.5002)
contains.

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Color

Yxy(37.5867, 0.4386, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	B9A600
RGB	185, 166, 0
RGB Percent	73%, 65%, 0%
CMY	0.2745, 0.3490, 1.0000
CMYK	0.00, 0.10, 1.00, 0.27
HSL	54°, 100%, 36%
HSV	54°, 100%, 73%
XYZ	33.6439, 37.5867, 5.4769
YIQ	152.7570, 64.6100, -47.5980

Conversions

Conversions Part 2

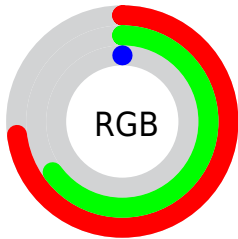
Format	Color
R _Y B	21, 185, 0
Decimal	12166656
CIE Lab	67.71, -7.15, 70.51
CIE LCh	68, 70.869, 95.788
Yxy	37.5867, 0.4386, 0.4900
Android (android.graphics.Color)	4290356736 (0xFFB9A600)
YUV	152.7570, -75.3092, 28.2771
Hunter-Lab	61.3080, -9.3337, 37.6190

Details

The Yxy color **37.5867, 0.4386, 0.4900** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.9687, 0.1520, 0.0671**, and the grayscale version is **32.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6472, 0.4217, 0.4661**, and **16.7735, 0.4363, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **37.5888, 0.4386, 0.4900**, and if you desaturate by 10%, it is **38.3301, 0.4338, 0.4875**.

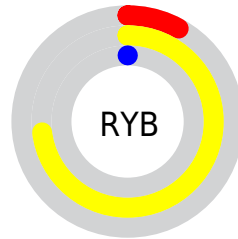
Distribution



Red (73%)

Green (65%)

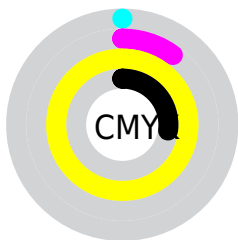
Blue (0%)



Red (8%)

Yellow (73%)

Blue (0%)

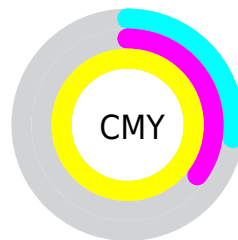


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5867, 0.4386, 0.4900 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 37.5867, 0.4386, 0.4900 by changing the saturation by 10% instead.


 37.5867, 0.4386,
0.4900


 37.5867, 0.4386,
0.4900


335.8437, 0.3832,
0.4149


 25.6621, 0.4475,
0.5041


 71.4742, 0.4217,
0.4656


 16.5710, 0.4555,
0.5187


 94.2059, 0.4143,
0.4555


 9.9291, 0.4638,
0.5362


 121.3087, 0.4076,
0.4465

 5.3520, 0.4584,
0.5416

 153.1671, 0.4016,
0.4386

 2.4552, 0.4496,
0.5504

 190.1653, 0.3962,
0.4317

 0.8541, 0.4273,
0.5727

 232.6879, 0.3914,

 0.0000, 0.0000,

0.4254

0.0000

281.1193, 0.3871,
0.4199

37.5867, 0.4386,
0.4900

37.5867, 0.4386,
0.4900

37.5888, 0.4386,
0.4900

38.3301, 0.4338,
0.4875

39.1245, 0.4267,
0.4814

39.9881, 0.4169,
0.4709

40.9287, 0.4047,
0.4563

41.9530, 0.3907,
0.4383

■ 43.0668, 0.3753,
0.4179

■ 44.2755, 0.3593,
0.3959

■ 45.5839, 0.3433,
0.3733

■ 46.9965, 0.3276,
0.3508

Harmonies

Analogous

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



37.5867, 0.5033, 0.4197



37.5867, 0.4386, 0.4900



37.5867, 0.3476, 0.5273

Triad

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



37.5867, 0.4386, 0.4900



37.5867, 0.1453, 0.2573



37.5867, 0.3505, 0.2249

Complementary

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



37.5867, 0.4386, 0.4900



3.9687, 0.1520, 0.0671

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.



37.5867, 0.2488, 0.1889



37.5867, 0.4386, 0.4900



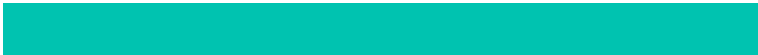
37.5867, 0.1465, 0.1983

Square

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



37.5867, 0.4386, 0.4900



37.5867, 0.1798, 0.3631



37.5867, 0.1800, 0.1786



37.5867, 0.4563, 0.2810

Rectangle

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



37.5867, 0.4386, 0.4900



37.5867, 0.2833, 0.5072



37.5867, 0.1800, 0.1786



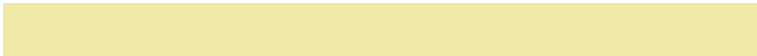
37.5867, 0.3139, 0.2103

Sweetspot

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



37.5888, 0.4386, 0.4900



79.1828, 0.3601, 0.3970



10.3711, 0.6258, 0.3221



16.8712, 0.3668, 0.4063



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5888, 0.4386, 0.4900



67.1159, 0.4389, 0.4897



38.2829, 0.3538, 0.5573



10.3415, 0.3266, 0.3493



25.6553, 0.4383, 0.4902



0.9501, 0.4328, 0.4945

Inverse Universe

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



3.9687, 0.1520, 0.0671



6.9525, 0.1516, 0.0658



4.8395, 0.1818, 0.0775



8.8640, 0.2984, 0.3078



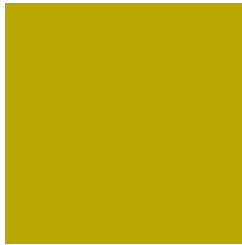
2.7549, 0.1523, 0.0683



0.1466, 0.1604, 0.0974

Previews

White Background



This preview shows how the Yxy color 37.5867, 0.4386, 0.4900 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 37.5867, 0.4386, 0.4900 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 37.5867, 0.4386, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 37.5867, 0.4386, 0.4900.



This preview shows how white text looks on a background with the Yxy color 37.5867, 0.4386, 0.4900.

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

37.5867, 0.4386, 0.4900

Protanopia

37.7115, 0.4396, 0.4892

Deuteranopia

37.7234, 0.4684, 0.4591



Tritanopia

37.4665, 0.3425, 0.3134

Trichromacy



Original Color

37.5867, 0.4386, 0.4900

Protanomaly

37.7115, 0.4396, 0.4892

Deuteranomaly

37.4500, 0.4581, 0.4705

Tritanomaly

36.5707, 0.3962, 0.3990

Monochromacy



Original Color

37.5867, 0.4386, 0.4900

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.3161, 0.3767, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5867, 0.4386, 0.4900 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(185, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 166, 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(185, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.5867, 0.4386, 0.4900 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(185, 166, 0) }
```

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

```
.border{ border-color:rgb(185, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(185, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 166,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5867, 0.4386, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 166, 0) }
```

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

```
.background{ background-color: rgb(185,  
166, 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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