

Converting Colors

$Y_{xy}(37.4751, 0.4416, 0.4875)$

Have a look what the booklet for
Yxy(37.4751, 0.4416, 0.4875)
contains.

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Color

Yxy(37.4751, 0.4416, 0.4875)

Conversions

Conversions Part 1

Format	Color
Hex	BBA500
RGB	187, 165, 0
RGB Percent	73%, 65%, 0%
CMY	0.2667, 0.3529, 0.9991
CMYK	0.00, 0.12, 1.00, 0.27
HSL	53°, 100%, 37%
HSV	53°, 100%, 73%
XYZ	33.9467, 37.4751, 5.4502
YIQ	152.7680, 66.0770, -46.6510

Conversions

Conversions Part 2

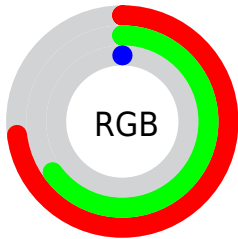
Format	Color
R _Y B	25, 187, 0
Decimal	12297472
CIE Lab	67.63, -5.73, 70.49
CIE LCh	68, 70.718, 94.649
Yxy	37.4751, 0.4416, 0.4875
Android (android.graphics.Color)	4290487552 (0xFFBBA500)
YUV	152.7680, -75.3146, 30.0215
Hunter-Lab	61.2169, -8.1458, 37.5732

Details

The Yxy color **37.4751, 0.4416, 0.4875** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.1700, 0.1524, 0.0686**, and the grayscale version is **32.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4824, 0.4239, 0.4644**, and **16.7018, 0.4406, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **37.4669, 0.4417, 0.4875**, and if you desaturate by 10%, it is **38.3237, 0.4364, 0.4852**.

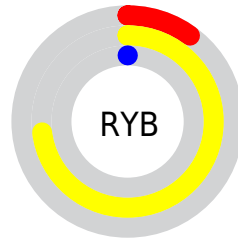
Distribution



Red (73%)

Green (65%)

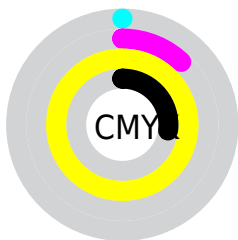
Blue (0%)



Red (10%)

Yellow (73%)

Blue (0%)

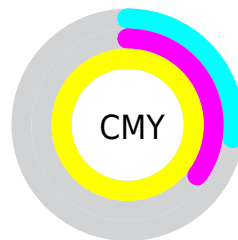


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4751, 0.4416, 0.4875 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 37.4751, 0.4416, 0.4875 by changing the saturation by 10% instead.

 37.4751, 0.4416,
0.4875


 37.4751, 0.4416,
0.4875


335.3629, 0.3845,
0.4140

 25.5756, 0.4509,
0.5011


 71.3029, 0.4241,
0.4638

 16.5064, 0.4595,
0.5151


 93.9999, 0.4164,
0.4539


 9.8832, 0.4685,
0.5315


 121.0649, 0.4096,
0.4451


 5.3216, 0.4641,
0.5359

 152.8822, 0.4034,
0.4374

 2.4372, 0.4571,
0.5429

 189.8363, 0.3979,
0.4305

 0.8449, 0.4397,
0.5603

 232.3115, 0.3930,

 0.0000, 0.0000,

0.4244

0.0000

280.6922, 0.3885,
0.4189

37.4751, 0.4416,
0.4875

37.4751, 0.4416,
0.4875

37.4669, 0.4417,
0.4875

38.3237, 0.4364,
0.4852

39.2288, 0.4288,
0.4793

40.2080, 0.4185,
0.4689

41.2695, 0.4059,
0.4545

42.4202, 0.3914,
0.4366

■ 43.6661, 0.3757,
0.4164

■ 45.0126, 0.3595,
0.3947

■ 46.4648, 0.3433,
0.3724

■ 48.0272, 0.3275,
0.3502

Harmonies

Analogous

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



37.4751, 0.5047, 0.4169



37.4751, 0.4416, 0.4875



37.4751, 0.3513, 0.5269

Triad

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



37.4751, 0.4416, 0.4875



37.4751, 0.1461, 0.2606



37.4751, 0.3462, 0.2232

Complementary

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



37.4751, 0.4416, 0.4875



4.1700, 0.1524, 0.0686

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.



37.4751, 0.2456, 0.1881



37.4751, 0.4416, 0.4875



37.4751, 0.1460, 0.1999

Square

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



37.4751, 0.4416, 0.4875



37.4751, 0.1820, 0.3678



37.4751, 0.1783, 0.1789



37.4751, 0.4526, 0.2787

Rectangle

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



37.4751, 0.4416, 0.4875



37.4751, 0.2869, 0.5093



37.4751, 0.1783, 0.1789



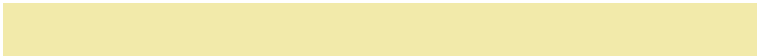
37.4751, 0.3099, 0.2089

Sweetspot

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



37.4769, 0.4416, 0.4875



80.4822, 0.3605, 0.3960



10.6383, 0.6226, 0.3205



17.4946, 0.3674, 0.4053



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.4769, 0.4416, 0.4875



66.8869, 0.4420, 0.4872



39.4210, 0.3564, 0.5551



10.9236, 0.3267, 0.3491



25.8891, 0.4413, 0.4878



1.0690, 0.4354, 0.4925

Inverse Universe

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



4.1700, 0.1524, 0.0686



7.2804, 0.1520, 0.0671



4.8464, 0.1793, 0.0762



9.4014, 0.2984, 0.3081



2.9244, 0.1527, 0.0697



0.1750, 0.1612, 0.1003

Previews

White Background



This preview shows how the Yxy color 37.4751, 0.4416, 0.4875 looks on a white background.

Color Contrast Check

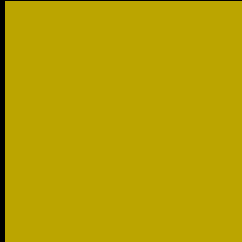
Large Text (above 18pt) WCAG AA × Fail

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 37.4751, 0.4416, 0.4875 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 37.4751, 0.4416, 0.4875

Background



This preview shows how black text looks on a background with the Yxy color 37.4751, 0.4416, 0.4875.



This preview shows how white text looks on a background with the Yxy color 37.4751, 0.4416, 0.4875.

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

37.4751, 0.4416, 0.4875

Protanopia

37.3538, 0.4404, 0.4879

Deuteranopia

37.2373, 0.4688, 0.4591



Tritanopia

37.2348, 0.3447, 0.3134

Trichromacy



Original Color

37.4751, 0.4416, 0.4875

Protanomaly

37.3516, 0.4405, 0.4881

Deuteranomaly

37.1047, 0.4592, 0.4695

Tritanomaly

36.4713, 0.3998, 0.3984

Monochromacy



Original Color

37.4751, 0.4416, 0.4875

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.9763, 0.3772, 0.4184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4751, 0.4416, 0.4875 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(187, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 165, 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(187, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 165, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.4751, 0.4416, 0.4875 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(187, 165, 0) }
```

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

```
.border{ border-color:rgb(187, 165, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 165,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4751, 0.4416, 0.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 165, 0) }
```

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

```
.background{ background-color: rgb(187,  
165, 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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