

Converting Colors

$Yxy(37.6814, 0.4119, 0.4417)$

Have a look what the booklet for
Yxy(37.6814, 0.4119, 0.4417)
contains.

Yxy(37.6515, 0.4121, 0.4419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.6515, 0.4121, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	BBA44D
RGB	187, 164, 77
RGB Percent	73%, 64%, 30%
CMY	0.2666, 0.3569, 0.6980
CMYK	0.00, 0.12, 0.59, 0.27
HSL	47°, 45%, 52%
HSV	47°, 59%, 73%
XYZ	35.1124, 37.6515, 12.4397
YIQ	160.9590, 41.6350, -22.1810

Conversions

Conversions Part 2

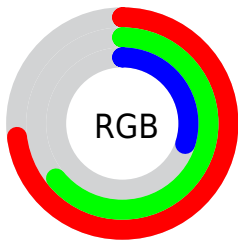
Format	Color
R _{YB}	106, 187, 77
Decimal	12297293
CIE _{Lab}	67.76, -2.28, 47.37
CIE _{LCh}	68, 47.427, 92.757
Yxy	37.6515, 0.4121, 0.4419
Android (android.graphics.Color)	4290487373 (0xFFBBA44D)
YUV	160.9590, -41.3918, 22.8380
Hunter-Lab	61.3608, -5.2386, 30.9327

Details

The Yxy color **37.6515, 0.4121, 0.4419** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.2878, 0.2080, 0.1791**, and the grayscale version is **35.8043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6605, 0.3946, 0.4223**, and **16.7057, 0.4352, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **36.0465, 0.4279, 0.4556**, and if you desaturate by 10%, it is **39.3791, 0.3949, 0.4251**.

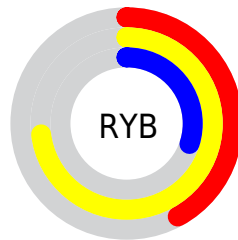
Distribution



Red (73%)

Green (64%)

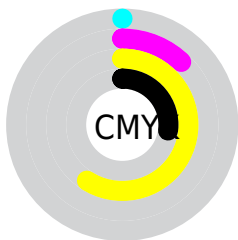
Blue (30%)



Red (42%)

Yellow (73%)

Blue (30%)

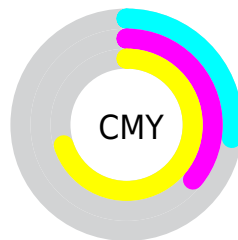


Cyan (0%)

Magenta (12%)

Yellow (59%)

Black (27%)



Cyan (27%)


Magenta (36%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6515, 0.4121, 0.4419 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 37.6515, 0.4121, 0.4419 by changing the saturation by 10% instead.


 37.6515, 0.4121,
0.4419

 37.6515, 0.4121,
0.4419

336.1226, 0.3634,
0.3859

 25.7123, 0.4230,
0.4547


 71.5737, 0.3952,
0.4222


 16.6085, 0.4357,
0.4700


 94.3254, 0.3885,
0.4145


 9.9558, 0.4501,
0.4878


 121.4502, 0.3828,
0.4080

 5.3697, 0.4766,
0.5201

 153.3323, 0.3779,
0.4023

 2.4657, 0.4755,
0.5245

 190.3563, 0.3736,
0.3974

 0.8594, 0.4697,
0.5303

232.9064, 0.3698,

 0.0000, 0.0000,

0.3931

0.0000

281.3670, 0.3664,
0.3893

■ 37.6515, 0.4121,
0.4419

■ 37.6515, 0.4121,
0.4419

■ 36.0465, 0.4279,
0.4556

■ 39.3791, 0.3949,
0.4251

■ 34.5517, 0.4416,
0.4653

■ 41.2303, 0.3772,
0.4062

■ 33.1607, 0.4526,
0.4704

■ 43.2125, 0.3594,
0.3862

■ 31.8593, 0.4610,
0.4714

■ 45.3310, 0.3423,
0.3659

■ 31.7096, 0.4619,
0.4714

■ 47.5907, 0.3261,
0.3460

■ 49.9962, 0.3110,
0.3268

■ 52.5518, 0.2972,
0.3087

■ 55.2615, 0.2846,
0.2918

■ 58.1294, 0.2732,
0.2762

Harmonies

Analogous

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



37.6515, 0.4496, 0.3970



37.6515, 0.4121, 0.4419



37.6515, 0.3503, 0.4598

Triad

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



37.6515, 0.4121, 0.4419



37.6515, 0.1941, 0.2901



37.6515, 0.3325, 0.2512

Complementary

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



37.6515, 0.4121, 0.4419



14.2878, 0.2080, 0.1791

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.



37.6515, 0.2636, 0.2257



37.6515, 0.4121, 0.4419



37.6515, 0.1907, 0.2417

Square

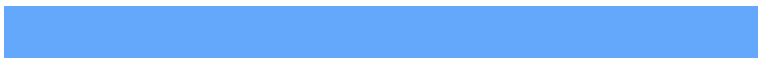
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.6515, 0.4121, 0.4419



37.6515, 0.2255, 0.3617



37.6515, 0.2143, 0.2213



37.6515, 0.4030, 0.2929

Rectangle

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



37.6515, 0.4121, 0.4419



37.6515, 0.3043, 0.4459



37.6515, 0.2143, 0.2213



37.6515, 0.3082, 0.2406

Sweetspot

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



37.6533, 0.4121, 0.4419



81.3769, 0.3414, 0.3649



16.8133, 0.4514, 0.2977



17.6695, 0.3463, 0.3708



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.



37.6533, 0.4121, 0.4419



63.6322, 0.4327, 0.4593



43.1381, 0.3662, 0.4817



10.7723, 0.3269, 0.3470



21.9498, 0.4613, 0.4719



0.9465, 0.4494, 0.4813

Inverse Universe

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



14.2878, 0.2080, 0.1791



18.0966, 0.1854, 0.1410



12.0976, 0.2276, 0.1544



9.5403, 0.2984, 0.3103



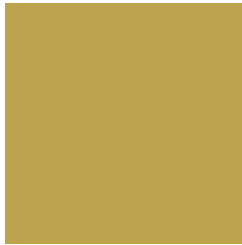
3.5646, 0.1564, 0.0829



0.2359, 0.1688, 0.1278

Previews

White Background



This preview shows how the Yxy color 37.6515, 0.4121, 0.4419 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 37.6515, 0.4121, 0.4419 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 37.6515, 0.4121, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 37.6515, 0.4121, 0.4419.



This preview shows how white text looks on a background with the Yxy color 37.6515, 0.4121, 0.4419.

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

37.6515, 0.4121, 0.4419

Protanopia

37.5134, 0.4072, 0.4451

Deuteranopia

37.5158, 0.4336, 0.4239



Tritanopia

37.4665, 0.3425, 0.3134

Trichromacy



Original Color

37.6515, 0.4121, 0.4419

Protanomaly

37.6364, 0.4082, 0.4445

Deuteranomaly

37.6974, 0.4258, 0.4311

Tritanomaly

37.3814, 0.3701, 0.3615

Monochromacy



Original Color

37.6515, 0.4121, 0.4419

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.9984, 0.3499, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6515, 0.4121, 0.4419 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, 164, 77)` looks like.

```
.text, #text, p{  
    color:rgb(187, 164, 77)  
}
```

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, 164, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 164, 77) }
```

Border

The CSS property to change the border of an element to Yxy 37.6515, 0.4121, 0.4419 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, 164, 77) }
```

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

```
.border{ border-color:rgb(187, 164, 77) }
```

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

Here you see how a box with a 4 pixel rgb(187, 164, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 164, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 164, 77);  
box-shadow:4px 4px 4px 4px rgb(187, 164,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6515, 0.4121, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 164, 77) }
```

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

```
.background{ background-color: rgb(187,  
164, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor