

Converting Colors

$Y_{xy}(37.2977, 0.4275, 0.4803)$

Have a look what the booklet for
Yxy(37.2977, 0.4275, 0.4803)
contains.

Yxy(37.3511, 0.4274, 0.4800)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3511, 0.4274, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	B6A625
RGB	182, 166, 37
RGB Percent	71%, 65%, 15%
CMY	0.2864, 0.3490, 0.8549
CMYK	0.00, 0.09, 0.80, 0.29
HSL	53°, 66%, 43%
HSV	53°, 80%, 71%
XYZ	33.2580, 37.3511, 7.2056
YIQ	156.0780, 50.9450, -36.7270

Conversions

Conversions Part 2

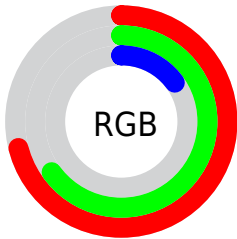
Format	Color
RYB	55, 182, 37
Decimal	11970085
CIELab	67.54, -7.75, 63.14
CIELCh	68, 63.610, 96.997
Yxy	37.3511, 0.4274, 0.4800
Android (android.graphics.Color)	4290160165 (0xFFB6A625)
YUV	156.0780, -58.7055, 22.7336
Hunter-Lab	61.1155, -9.8155, 35.7905

Details

The Yxy color **37.3511, 0.4274, 0.4800** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.3123, 0.1698, 0.1023**, and the grayscale version is **33.5321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2218, 0.4104, 0.4556**, and **16.6214, 0.4335, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **36.5426, 0.4348, 0.4862**, and if you desaturate by 10%, it is **38.2315, 0.4173, 0.4694**.

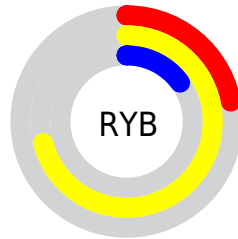
Distribution



Red (71%)

Green (65%)

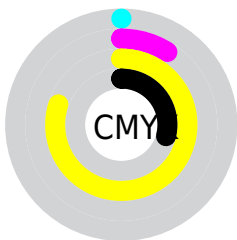
Blue (15%)



Red (22%)

Yellow (71%)

Blue (15%)

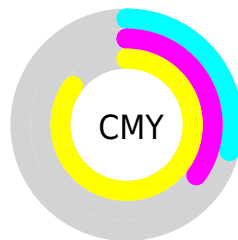


Cyan (0%)

Magenta (9%)

Yellow (80%)

Black (29%)



Cyan (29%)


Magenta (35%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3511, 0.4274, 0.4800 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 37.3511, 0.4274, 0.4800 by changing the saturation by 10% instead.


 37.3511, 0.4274,
0.4800


 37.3511, 0.4274,
0.4800


334.8281, 0.3751,
0.4072


 25.4794, 0.4368,
0.4950


 71.1124, 0.4107,
0.4554

 16.4346, 0.4461,
0.5115


 93.7709, 0.4036,
0.4455

 9.8322, 0.4590,
0.5350


 120.7938, 0.3974,
0.4369

 5.2879, 0.4558,
0.5442

 152.5655, 0.3919,
0.4294

 2.4171, 0.4462,
0.5538

 189.4704, 0.3869,
0.4228

 0.8347, 0.4199,
0.5801

 231.8928, 0.3826,

 0.0000, 0.0000,

0.4170

0.0000

280.2173, 0.3786,
0.4118

■ 37.3511, 0.4274,
0.4800

■ 37.3511, 0.4274,
0.4800

■ 36.5426, 0.4348,
0.4862

■ 38.2315, 0.4173,
0.4694

■ 35.7857, 0.4399,
0.4887

■ 39.1859, 0.4048,
0.4548

■ 35.7614, 0.4401,
0.4888

■ 40.2225, 0.3905,
0.4368

■ 41.3470, 0.3750,
0.4164

■ 42.5643, 0.3589,
0.3946

■ 43.8792, 0.3428,
0.3722

■ 45.2960, 0.3271,
0.3499

■ 46.8186, 0.3122,
0.3283

■ 48.4509, 0.2983,
0.3078

Harmonies

Analogous

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



37.3511, 0.4861, 0.4186



37.3511, 0.4274, 0.4800



37.3511, 0.3437, 0.5067

Triad

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



37.3511, 0.4274, 0.4800



37.3511, 0.1581, 0.2624



37.3511, 0.3515, 0.2353

Complementary

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



37.3511, 0.4274, 0.4800



6.3123, 0.1698, 0.1023

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.



37.3511, 0.2583, 0.2007



37.3511, 0.4274, 0.4800



37.3511, 0.1599, 0.2085

Square

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



37.3511, 0.4274, 0.4800



37.3511, 0.1899, 0.3562



37.3511, 0.1929, 0.1904



37.3511, 0.4453, 0.2886

Rectangle

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



37.3511, 0.4274, 0.4800



37.3511, 0.2846, 0.4844



37.3511, 0.1929, 0.1904



37.3511, 0.3185, 0.2214

Sweetspot

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



37.3529, 0.4274, 0.4800



78.4207, 0.3504, 0.3828



11.5307, 0.5607, 0.3137



17.1356, 0.3561, 0.3908



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.



37.3529, 0.4274, 0.4800



65.1760, 0.4388, 0.4881



38.0476, 0.3597, 0.5321



10.3298, 0.3266, 0.3492



25.3203, 0.4398, 0.4890



0.9412, 0.4339, 0.4937

Inverse Universe

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



6.3123, 0.1698, 0.1023



7.3608, 0.1537, 0.0706



7.0039, 0.2074, 0.1070



8.8745, 0.2984, 0.3080



2.7901, 0.1525, 0.0690



0.1511, 0.1611, 0.0999

Previews

White Background



This preview shows how the Yxy color 37.3511, 0.4274, 0.4800 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 37.3511, 0.4274, 0.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

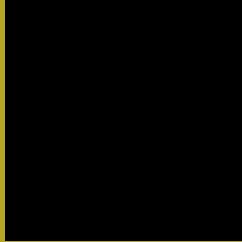
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3511, 0.4274, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 37.3511, 0.4274, 0.4800.



This preview shows how white text looks on a background with the Yxy color 37.3511, 0.4274, 0.4800.

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

37.3511, 0.4274, 0.4800

Protanopia

37.3581, 0.4314, 0.4769

Deuteranopia

37.2095, 0.4604, 0.4504



Tritanopia

37.4392, 0.3383, 0.3132

Trichromacy



Original Color

37.3511, 0.4274, 0.4800

Protanomaly

37.2342, 0.4304, 0.4776

Deuteranomaly

37.3006, 0.4483, 0.4614

Tritanomaly

36.8437, 0.3792, 0.3825

Monochromacy



Original Color

37.3511, 0.4274, 0.4800

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.3332, 0.3612, 0.3992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3511, 0.4274, 0.4800 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(182, 166, 37)` looks like.

```
.text, #text, p{  
    color:rgb(182, 166, 37)  
}
```

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(182, 166, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 166, 37) }
```

Border

The CSS property to change the border of an element to Yxy 37.3511, 0.4274, 0.4800 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(182, 166, 37) }
```

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

```
.border{ border-color:rgb(182, 166, 37) }
```

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

Here you see how a box with a 4 pixel rgb(182, 166, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 166, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 166, 37);  
box-shadow:4px 4px 4px 4px rgb(182, 166,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3511, 0.4274, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 166, 37) }
```

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

```
.background{ background-color: rgb(182,  
166, 37) }
```

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