

Converting Colors

$Yxy(37.4221, 0.4081, 0.4983)$

Have a look what the booklet for
Yxy(37.4221, 0.4081, 0.4983)
contains.

Yxy(37.3426, 0.4078, 0.4983)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3426, 0.4078, 0.4983)

Conversions

Conversions Part 1

Format	Color
Hex	A6AB21
RGB	166, 171, 33
RGB Percent	65%, 67%, 13%
CMY	0.3491, 0.3294, 0.8705
CMYK	0.03, 0.00, 0.81, 0.33
HSL	62°, 68%, 40%
HSV	62°, 81%, 67%
XYZ	30.5605, 37.3426, 7.0369
YIQ	153.7730, 41.3180, -43.9780

Conversions

Conversions Part 2

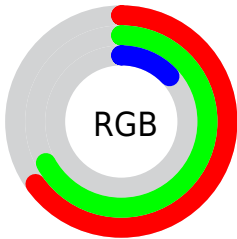
Format	Color
RYB	33, 171, 38
Decimal	10922785
CIELab	67.53, -17.52, 63.76
CIELCh	68, 66.125, 105.362
Yxy	37.3426, 0.4078, 0.4983
Android (android.graphics.Color)	4289112865 (0xFFA6AB21)
YUV	153.7730, -59.5411, 10.7231
Hunter-Lab	61.1086, -17.6718, 35.9486

Details

The Yxy color **37.3426, 0.4078, 0.4983** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.4424, 0.1670, 0.0853**, and the grayscale version is **32.4632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9953, 0.3955, 0.4693**, and **16.5086, 0.4066, 0.5153** is the 20% darker color. If you saturate the color by 10%, you get **37.2044, 0.4114, 0.5060**, and if you desaturate by 10%, it is **37.5333, 0.4017, 0.4864**.

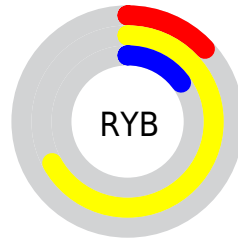
Distribution



Red (65%)

Green (67%)

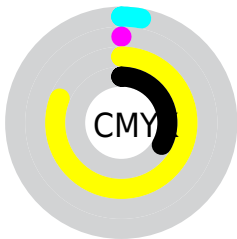
Blue (13%)



Red (13%)

Yellow (67%)

Blue (15%)

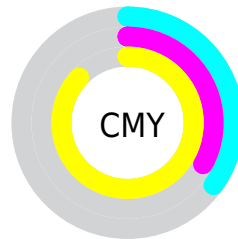


Cyan (3%)

Magenta (0%)

Yellow (81%)

Black (33%)



Cyan (35%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3426, 0.4078, 0.4983 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 37.3426, 0.4078, 0.4983 by changing the saturation by 10% instead.


 37.3426, 0.4078,
0.4983


 37.3426, 0.4078,
0.4983


334.7914, 0.3664,
0.4139

 25.4729, 0.4141,
0.5168


 71.0994, 0.3953,
0.4690

 16.4297, 0.4193,
0.5379


 93.7552, 0.3898,
0.4575


 9.8287, 0.4269,
0.5692


 120.7752, 0.3848,
0.4476

 5.2855, 0.4146,
0.5854

 152.5438, 0.3803,
0.4390

 2.4158, 0.3921,
0.6079

 189.4453, 0.3763,
0.4315

 0.8340, 0.3044,
0.6956

 231.8641, 0.3727,

 0.0000, 0.0000,

0.4249

0.0000

280.1847, 0.3694,
0.4191

■ 37.3426, 0.4078,
0.4983

■ 37.3426, 0.4078,
0.4983

■ 37.2044, 0.4114,
0.5060

■ 37.5333, 0.4017,
0.4864

■ 37.1050, 0.4130,
0.5102

■ 37.7777, 0.3930,
0.4703

■ 38.0831, 0.3823,
0.4508

■ 38.4543, 0.3698,
0.4285

■ 38.8957, 0.3562,
0.4045

■ 39.4113, 0.3420,
0.3797

■ 40.0047, 0.3277,
0.3548

■ 40.6794, 0.3137,
0.3306

■ 41.4386, 0.3002,
0.3076

Harmonies

Analogous

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



37.3426, 0.4785, 0.4394



37.3426, 0.4078, 0.4983



37.3426, 0.3181, 0.5095

Triad

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



37.3426, 0.4078, 0.4983



37.3426, 0.1506, 0.2398



37.3426, 0.3818, 0.2459

Complementary

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



37.3426, 0.4078, 0.4983



4.4424, 0.1670, 0.0853

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.



37.3426, 0.2808, 0.2044



37.3426, 0.4078, 0.4983



37.3426, 0.1615, 0.1959

Square

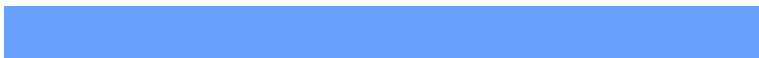
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.3426, 0.4078, 0.4983



37.3426, 0.1727, 0.3261



37.3426, 0.2043, 0.1864



37.3426, 0.4714, 0.3041

Rectangle

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



37.3426, 0.4078, 0.4983



37.3426, 0.2586, 0.4706



37.3426, 0.2043, 0.1864



37.3426, 0.3471, 0.2298

Sweetspot

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



37.3443, 0.4078, 0.4983



70.2142, 0.3473, 0.3890



10.1309, 0.5851, 0.3339



15.5872, 0.3523, 0.3976



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.



37.3443, 0.4078, 0.4983



66.4747, 0.4126, 0.5093



31.8036, 0.3407, 0.5469



9.3151, 0.3257, 0.3514



27.9733, 0.4131, 0.5102



0.7827, 0.4151, 0.5086

Inverse Universe

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



4.4424, 0.1670, 0.0853



5.5078, 0.1521, 0.0624



7.1313, 0.2310, 0.1184



7.7706, 0.2991, 0.3056



2.2519, 0.1514, 0.0608



0.0671, 0.1577, 0.0642

Previews

White Background



This preview shows how the Yxy color 37.3426, 0.4078, 0.4983 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 37.3426, 0.4078, 0.4983 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 37.3426, 0.4078, 0.4983

Background



This preview shows how black text looks on a background with the Yxy color 37.3426, 0.4078, 0.4983.



This preview shows how white text looks on a background with the Yxy color 37.3426, 0.4078, 0.4983.

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

37.3426, 0.4078, 0.4983

Protanopia

37.3235, 0.4335, 0.4800

Deuteranopia

37.2024, 0.4609, 0.4509



Tritanopia

37.1219, 0.3183, 0.3112

Trichromacy



Original Color

37.3426, 0.4078, 0.4983

Protanomaly

37.2067, 0.4241, 0.4865

Deuteranomaly

36.8361, 0.4422, 0.4676

Tritanomaly

36.4591, 0.3610, 0.3896

Monochromacy



Original Color

37.3426, 0.4078, 0.4983

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.5365, 0.3566, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3426, 0.4078, 0.4983 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(166, 171, 33)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 33)  
}
```

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(166, 171, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 33) }
```

Border

The CSS property to change the border of an element to Yxy 37.3426, 0.4078, 0.4983 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(166, 171, 33) }
```

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

```
.border{ border-color:rgb(166, 171, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 33);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3426, 0.4078, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 33) }
```

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

```
.background{ background-color: rgb(166,  
171, 33) }
```

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