

Converting Colors

$Yxy(37.6729, 0.4036, 0.4884)$

Have a look what the booklet for
Yxy(37.6729, 0.4036, 0.4884)
contains.

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Color

Yxy(37.5465, 0.4035, 0.4885)

Conversions

Conversions Part 1

Format	Color
Hex	A7AB2F
RGB	167, 171, 47
RGB Percent	65%, 67%, 18%
CMY	0.3451, 0.3294, 0.8157
CMYK	0.02, 0.00, 0.73, 0.33
HSL	62°, 57%, 43%
HSV	62°, 73%, 67%
XYZ	31.0133, 37.5465, 8.3010
YIQ	155.6680, 37.4200, -39.4120

Conversions

Conversions Part 2

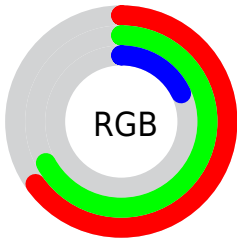
Format	Color
RYB	47, 171, 51
Decimal	10988335
CIELab	67.69, -16.49, 59.48
CIELCh	68, 61.723, 105.494
Yxy	37.5465, 0.4035, 0.4885
Android (android.graphics.Color)	4289178415 (0xFFA7AB2F)
YUV	155.6680, -53.5733, 9.9382
Hunter-Lab	61.2752, -16.8871, 34.8606

Details

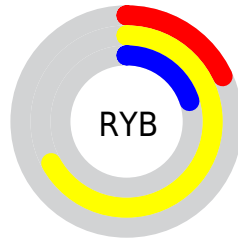
The Yxy color **37.5465, 0.4035, 0.4885** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.6766, 0.1785, 0.1041**, and the grayscale version is **33.3217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3596, 0.3909, 0.4599**, and **16.5732, 0.4081, 0.5142** is the 20% darker color. If you saturate the color by 10%, you get **37.3764, 0.4092, 0.4996**, and if you desaturate by 10%, it is **37.7744, 0.3952, 0.4733**.

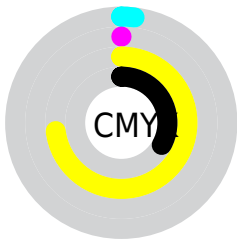
Distribution



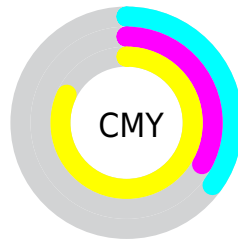
- Red (65%)
- Green (67%)
- Blue (18%)



- Red (18%)
- Yellow (67%)
- Blue (20%)



- Cyan (2%)
- Magenta (0%)
- Yellow (73%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5465, 0.4035, 0.4885 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 37.5465, 0.4035, 0.4885 by changing the saturation by 10% instead.

37.5465, 0.4035,
0.4885

37.5465, 0.4035,
0.4885

335.6706, 0.3630,
0.4083

25.6309, 0.4104,
0.5066

71.4125, 0.3908,
0.4603

16.5477, 0.4167,
0.5280

94.1317, 0.3854,
0.4493

9.9126, 0.4230,
0.5555

121.2209, 0.3805,
0.4399

5.3410, 0.4193,
0.5807

153.0645, 0.3762,
0.4318

2.4487, 0.3983,
0.6017

190.0468, 0.3723,
0.4247

0.8508, 0.3231,
0.6769

232.5524, 0.3689,

0.0000, 0.0000,

0.4186

0.0000

280.9655, 0.3658,
0.4131

■ 37.5465, 0.4035,
0.4885

■ 37.5465, 0.4035,
0.4885

■ 37.3764, 0.4092,
0.4996

■ 37.7744, 0.3952,
0.4733

■ 37.2520, 0.4125,
0.5064

■ 38.0606, 0.3848,
0.4544

■ 37.1791, 0.4138,
0.5097

■ 38.4117, 0.3725,
0.4326

■ 38.8321, 0.3590,
0.4089

■ 39.3259, 0.3448,
0.3842

■ 39.8968, 0.3304,
0.3593

■ 40.5483, 0.3162,
0.3350

■ 41.2836, 0.3026,
0.3117

■ 42.1058, 0.2897,
0.2898

Harmonies

Analogous

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



37.5465, 0.4693, 0.4354



37.5465, 0.4035, 0.4885



37.5465, 0.3189, 0.4958

Triad

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



37.5465, 0.4035, 0.4885



37.5465, 0.1592, 0.2458



37.5465, 0.3779, 0.2511

Complementary

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



37.5465, 0.4035, 0.4885



5.6766, 0.1785, 0.1041

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.



37.5465, 0.2836, 0.2112



37.5465, 0.4035, 0.4885



37.5465, 0.1696, 0.2036

Square

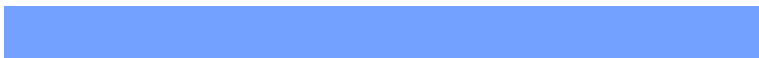
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.5465, 0.4035, 0.4885



37.5465, 0.1809, 0.3268



37.5465, 0.2109, 0.1940



37.5465, 0.4610, 0.3068

Rectangle

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



37.5465, 0.4035, 0.4885



37.5465, 0.2626, 0.4591



37.5465, 0.2109, 0.1940



37.5465, 0.3457, 0.2356

Sweetspot

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



37.5482, 0.4035, 0.4885



70.4407, 0.3446, 0.3839



11.0652, 0.5523, 0.3320



15.6539, 0.3483, 0.3904



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.



37.5482, 0.4035, 0.4885



66.7936, 0.4115, 0.5042



32.4536, 0.3440, 0.5283



9.3169, 0.3258, 0.3514



28.0312, 0.4138, 0.5096



0.7838, 0.4156, 0.5082

Inverse Universe

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



5.6766, 0.1785, 0.1041



6.4952, 0.1583, 0.0719



8.3568, 0.2384, 0.1334



7.7691, 0.2990, 0.3056



2.2478, 0.1513, 0.0607



0.0664, 0.1568, 0.0638

Previews

White Background



This preview shows how the Yxy color 37.5465, 0.4035, 0.4885 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 37.5465, 0.4035, 0.4885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

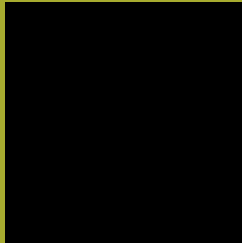
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5465, 0.4035, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 37.5465, 0.4035, 0.4885.



This preview shows how white text looks on a background with the Yxy color 37.5465, 0.4035, 0.4885.

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

37.5465, 0.4035, 0.4885

Protanopia

37.4140, 0.4281, 0.4720

Deuteranopia

37.1558, 0.4539, 0.4440



Tritanopia

37.5851, 0.3192, 0.3126

Trichromacy



Original Color

37.5465, 0.4035, 0.4885

Protanomaly

37.2997, 0.4187, 0.4780

Deuteranomaly

36.9352, 0.4362, 0.4592

Tritanomaly

37.0819, 0.3561, 0.3821

Monochromacy



Original Color

37.5465, 0.4035, 0.4885

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2243, 0.3528, 0.3973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5465, 0.4035, 0.4885 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(167, 171, 47)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 47)  
}
```

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(167, 171, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 47) }
```

Border

The CSS property to change the border of an element to Yxy 37.5465, 0.4035, 0.4885 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(167, 171, 47) }
```

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

```
.border{ border-color:rgb(167, 171, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 171, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 47);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5465, 0.4035, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 47) }
```

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

```
.background{ background-color: rgb(167,  
171, 47) }
```

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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