

Converting Colors

$Y_{xy}(37.0248, 0.4070, 0.4597)$

Have a look what the booklet for
Yxy(37.0248, 0.4070, 0.4597)
contains.

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Color

Yxy(37.0248, 0.4070, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	B1A643
RGB	177, 166, 67
RGB Percent	69%, 65%, 26%
CMY	0.3059, 0.3490, 0.7371
CMYK	0.00, 0.06, 0.62, 0.31
HSL	54°, 45%, 48%
HSV	54°, 62%, 69%
XYZ	32.7803, 37.0248, 10.7361
YIQ	158.0030, 38.3350, -28.4570

Conversions

Conversions Part 2

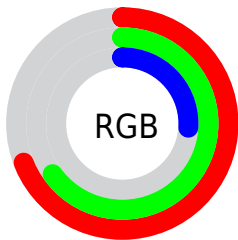
Format	Color
RYB	79, 177, 67
Decimal	11642435
CIELab	67.30, -8.39, 51.22
CIELCh	67, 51.899, 99.307
Yxy	37.0248, 0.4070, 0.4597
Android (android.graphics.Color)	4289832515 (0xFFB1A643)
YUV	158.0030, -44.8645, 16.6604
Hunter-Lab	60.8480, -10.3218, 32.1324

Details

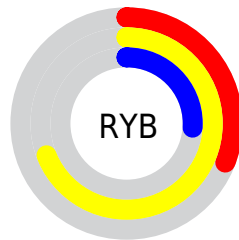
The Yxy color **37.0248, 0.4070, 0.4597** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.8223, 0.1978, 0.1497**, and the grayscale version is **34.3903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7070, 0.3919, 0.4367**, and **16.1193, 0.4266, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **36.2069, 0.4186, 0.4735**, and if you desaturate by 10%, it is **37.9199, 0.3934, 0.4424**.

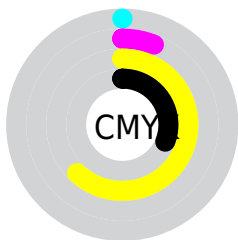
Distribution



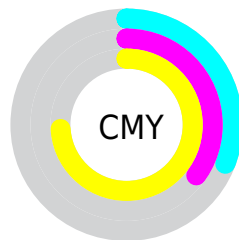
- Red (69%)
- Green (65%)
- Blue (26%)



- Red (31%)
- Yellow (69%)
- Blue (26%)



- Cyan (0%)
- Magenta (6%)
- Yellow (62%)
- Black (31%)





- Cyan (31%)
- Magenta (35%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0248, 0.4070, 0.4597 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 37.0248, 0.4070, 0.4597 by changing the saturation by 10% instead.


 37.0248, 0.4070,
0.4597


 37.0248, 0.4070,
0.4597


333.4179, 0.3620,
0.3940

 25.2267, 0.4163,
0.4749


 70.6109, 0.3918,
0.4364

 16.2460, 0.4267,
0.4931


 93.1677, 0.3857,
0.4274


 9.6984, 0.4372,
0.5143


 120.0796, 0.3804,
0.4197

 5.1995, 0.4529,
0.5471

 151.7308, 0.3757,
0.4131

 2.3648, 0.4424,
0.5576

 188.5059, 0.3716,
0.4074

 0.8077, 0.4107,
0.5893

230.7891, 0.3680,

 0.0000, 0.0000,

0.4024

0.0000

278.9650, 0.3648,
0.3979

■ 37.0248, 0.4070,
0.4597

■ 37.0248, 0.4070,
0.4597

■ 36.2069, 0.4186,
0.4735

■ 37.9199, 0.3934,
0.4424

■ 35.4549, 0.4278,
0.4832

■ 38.8925, 0.3783,
0.4223

■ 34.7631, 0.4343,
0.4885

■ 39.9490, 0.3625,
0.4006

■ 34.2483, 0.4379,
0.4905

■ 41.0939, 0.3465,
0.3781

■ 42.3314, 0.3308,
0.3555

■ 43.6651, 0.3158,
0.3335

■ 45.0987, 0.3016,
0.3126

■ 46.6355, 0.2885,
0.2928

■ 48.2788, 0.2765,
0.2746

Harmonies

Analogous

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



37.0248, 0.4562, 0.4133



37.0248, 0.4070, 0.4597



37.0248, 0.3362, 0.4718

Triad

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



37.0248, 0.4070, 0.4597



37.0248, 0.1806, 0.2712



37.0248, 0.3519, 0.2530

Complementary

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



37.0248, 0.4070, 0.4597



9.8223, 0.1978, 0.1497

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.



37.0248, 0.2736, 0.2214



37.0248, 0.4070, 0.4597



37.0248, 0.1837, 0.2262

Square

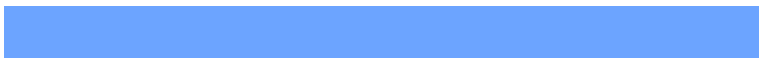
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.0248, 0.4070, 0.4597



37.0248, 0.2073, 0.3460



37.0248, 0.2150, 0.2111



37.0248, 0.4262, 0.3006

Rectangle

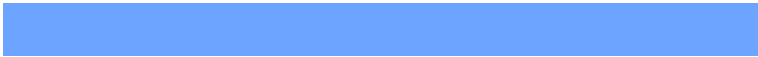
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.0248, 0.4070, 0.4597



37.0248, 0.2864, 0.4487



37.0248, 0.2150, 0.2111



37.0248, 0.3247, 0.2404

Sweetspot

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



37.0265, 0.4070, 0.4597



74.2092, 0.3421, 0.3718



13.9167, 0.4868, 0.3149



15.9518, 0.3465, 0.3781



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.0265, 0.4070, 0.4597



64.2787, 0.4228, 0.4781



36.8338, 0.3555, 0.4959



9.7587, 0.3266, 0.3493



24.8675, 0.4377, 0.4907



0.8240, 0.4320, 0.4952

Inverse Universe

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



9.8223, 0.1978, 0.1497



11.5402, 0.1742, 0.1092



10.5751, 0.2363, 0.1514



8.3622, 0.2985, 0.3079



2.6497, 0.1523, 0.0681



0.1277, 0.1607, 0.0983

Previews

White Background



This preview shows how the Yxy color 37.0248, 0.4070, 0.4597 looks on a white background.

Color Contrast Check

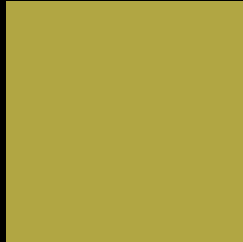
Large Text (above 18pt) WCAG AA × Fail

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 37.0248, 0.4070, 0.4597 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 37.0248, 0.4070, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 37.0248, 0.4070, 0.4597.



This preview shows how white text looks on a background with the Yxy color 37.0248, 0.4070, 0.4597.

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

37.0248, 0.4070, 0.4597

Protanopia

37.0115, 0.4155, 0.4552

Deuteranopia

36.9156, 0.4402, 0.4319



Tritanopia

37.0432, 0.3312, 0.3129

Trichromacy



Original Color

37.0248, 0.4070, 0.4597

Protanomaly

37.1274, 0.4126, 0.4574

Deuteranomaly

37.0406, 0.4282, 0.4419

Tritanomaly

36.8476, 0.3630, 0.3695

Monochromacy



Original Color

37.0248, 0.4070, 0.4597

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.9697, 0.3497, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0248, 0.4070, 0.4597 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(177, 166, 67)` looks like.

```
.text, #text, p{  
    color:rgb(177, 166, 67)  
}
```

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(177, 166, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 166, 67) }
```

Border

The CSS property to change the border of an element to Yxy 37.0248, 0.4070, 0.4597 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(177, 166, 67) }
```

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

```
.border{ border-color:rgb(177, 166, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 166, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 166, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 166, 67);  
box-shadow:4px 4px 4px 4px rgb(177, 166,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0248, 0.4070, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 166, 67) }
```

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

```
.background{ background-color: rgb(177,  
166, 67) }
```

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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