

Converting Colors

$Y_{xy}(37.3543, 0.3650, 0.4770)$

Have a look what the booklet for
Yxy(37.3543, 0.3650, 0.4770)
contains.

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Color

Yxy(37.3710, 0.3654, 0.4769)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 93AF4B |
| RGB | 147, 175, 75 |
| RGB Percent | 58%, 69%, 29% |
| CMY | 0.4235, 0.3137, 0.7059 |
| CMYK | 0.16, 0.00, 0.57, 0.31 |
| HSL | 77°, 40%, 49% |
| HSV | 77°, 57%, 69% |
| XYZ | 28.6336, 37.3710, 12.3577 |
| YIQ | 155.2280, 15.4120, -37.0360 |

Conversions

Conversions Part 2

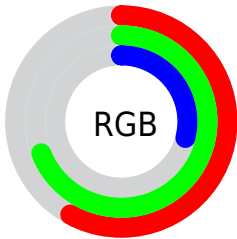
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 75, 175, 103 |
| Decimal | 9678667 |
| CIELab | 67.55, -24.97, 47.23 |
| CIELCh | 68, 53.419, 117.862 |
| Yxy | 37.3710, 0.3654, 0.4769 |
| Android (android.graphics.Color) | 4287868747 (0xFF93AF4B) |
| YUV | 155.2280, -39.5524, -7.2160 |
| Hunter-Lab | 61.1318, -23.3729, 30.8069 |

Details

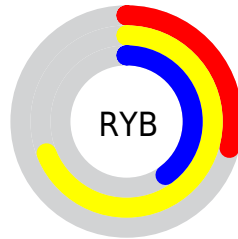
The Yxy color **37.3710, 0.3654, 0.4769** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **11.0077, 0.2306, 0.1602**, and the grayscale version is **33.0592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3806, 0.3581, 0.4482**, and **16.3567, 0.3736, 0.5213** is the 20% darker color. If you saturate the color by 10%, you get **36.7219, 0.3705, 0.4992**, and if you desaturate by 10%, it is **38.1086, 0.3583, 0.4519**.

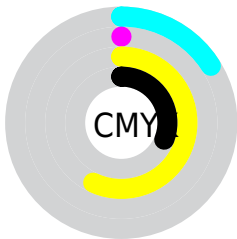
Distribution



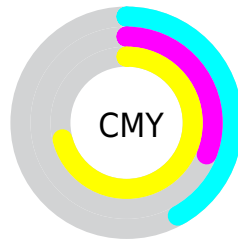
- Red (58%)
- Green (69%)
- Blue (29%)



- Red (29%)
- Yellow (69%)
- Blue (40%)



- Cyan (16%)
- Magenta (0%)
- Yellow (57%)
- Black (31%)





- Cyan (42%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3710, 0.3654, 0.4769 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 37.3710, 0.3654, 0.4769 by changing the saturation by 10% instead.


 37.3710, 0.3654,
0.4769

 37.3710, 0.3654,
0.4769


334.9140, 0.3422,
0.3986

 25.4949, 0.3693,
0.4969


 71.1430, 0.3582,
0.4478


 16.4461, 0.3728,
0.5224


 93.8077, 0.3550,
0.4371


 9.8404, 0.3743,
0.5552


 120.8373, 0.3523,
0.4280

 5.2933, 0.3816,
0.6161

 152.6164, 0.3498,
0.4203

 2.4203, 0.3500,
0.6500

 189.5291, 0.3476,
0.4137

 0.8363, 0.1815,
0.8185

231.9601, 0.3456,

 0.0000, 0.0000,

0.4080

0.0000

280.2935, 0.3438,
0.4030

■ 37.3710, 0.3654,
0.4769

■ 37.3710, 0.3654,
0.4769

■ 36.7219, 0.3705,
0.4992

■ 38.1086, 0.3583,
0.4519

■ 36.1505, 0.3733,
0.5177

■ 38.9349, 0.3498,
0.4254

■ 35.6518, 0.3736,
0.5318

■ 39.8563, 0.3402,
0.3984

■ 35.2161, 0.3716,
0.5413

■ 40.8769, 0.3301,
0.3718

■ 35.0983, 0.3709,
0.5437

■ 42.0010, 0.3199,
0.3463

■ 43.2321, 0.3099,
0.3223

■ 44.5739, 0.3002,
0.3001

■ 46.0298, 0.2910,
0.2797

■ 47.6029, 0.2824,
0.2612

Harmonies

Analogous

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



37.3710, 0.4318, 0.4469



37.3710, 0.3654, 0.4769



37.3710, 0.2890, 0.4548

Triad

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



37.3710, 0.3654, 0.4769



37.3710, 0.1763, 0.2374



37.3710, 0.4026, 0.2798

Complementary

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



37.3710, 0.3654, 0.4769



11.0077, 0.2306, 0.1602

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.



37.3710, 0.3209, 0.2367



37.3710, 0.3654, 0.4769



37.3710, 0.1973, 0.2111

Square

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



37.3710, 0.3654, 0.4769



37.3710, 0.1843, 0.2957



37.3710, 0.2467, 0.2123



37.3710, 0.4599, 0.3344

Rectangle

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



37.3710, 0.3654, 0.4769



37.3710, 0.2427, 0.4086



37.3710, 0.2467, 0.2123



37.3710, 0.3764, 0.2638

Sweetspot

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



37.3727, 0.3654, 0.4769



73.1797, 0.3303, 0.3722



19.0575, 0.4568, 0.3678



16.1824, 0.3323, 0.3774



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.



37.3727, 0.3654, 0.4769



65.4400, 0.3716, 0.5053



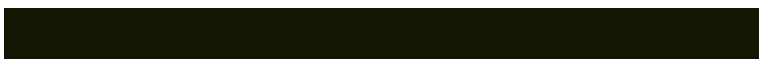
33.7833, 0.3211, 0.5006



9.2159, 0.3221, 0.3517



25.1663, 0.3714, 0.5433



0.7257, 0.3867, 0.5312

Inverse Universe

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



11.0077, 0.2306, 0.1602



13.5576, 0.2082, 0.1225



14.7686, 0.2889, 0.1844



7.8617, 0.3027, 0.3059



2.7110, 0.1691, 0.0705



0.1031, 0.2034, 0.0894

Previews

White Background



This preview shows how the Yxy color 37.3710, 0.3654, 0.4769 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 37.3710, 0.3654, 0.4769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

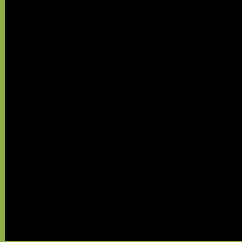
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3710, 0.3654, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 37.3710, 0.3654, 0.4769.



This preview shows how white text looks on a background with the Yxy color 37.3710, 0.3654, 0.4769.

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

37.3710, 0.3654, 0.4769

Protanopia

36.9639, 0.4105, 0.4497

Deuteranopia

36.9127, 0.4316, 0.4227



Tritanopia

37.0962, 0.2972, 0.3105

Trichromacy



Original Color

37.3710, 0.3654, 0.4769

Protanomaly

36.9213, 0.3933, 0.4601

Deuteranomaly

36.6895, 0.4070, 0.4422

Tritanomaly

36.8673, 0.3247, 0.3711

Monochromacy



Original Color

37.3710, 0.3654, 0.4769

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0224, 0.3352, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3710, 0.3654, 0.4769 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(147, 175, 75)` looks like.

```
.text, #text, p{  
    color:rgb(147, 175, 75)  
}
```

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(147, 175, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 175, 75) }
```

Border

The CSS property to change the border of an element to Yxy 37.3710, 0.3654, 0.4769 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(147, 175, 75) }
```

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

```
.border{ border-color:rgb(147, 175, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 175, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 175, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 175, 75);  
box-shadow:4px 4px 4px 4px rgb(147, 175,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3710, 0.3654, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 175, 75) }
```

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

```
.background{ background-color: rgb(147,  
175, 75) }
```

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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