

Converting Colors

$Y_{xy}(33.4327, 0.3704, 0.4771)$

Have a look what the booklet for
Yxy(33.4327, 0.3704, 0.4771)
contains.

Yxy(33.5417, 0.3703, 0.4770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5417, 0.3703, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	8FA645
RGB	143, 166, 69
RGB Percent	56%, 65%, 27%
CMY	0.4392, 0.3490, 0.7293
CMYK	0.14, 0.00, 0.58, 0.35
HSL	74°, 41%, 46%
HSV	74°, 58%, 65%
XYZ	26.0388, 33.5417, 10.7376
YIQ	148.0650, 17.4290, -35.0430

Conversions

Conversions Part 2

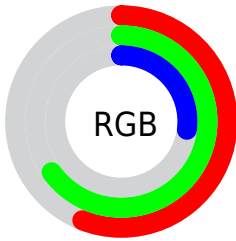
Format	Color
RYB	69, 166, 92
Decimal	9414213
CIELab	64.60, -22.67, 46.56
CIElCh	65, 51.783, 115.957
Yxy	33.5417, 0.3703, 0.4770
Android (android.graphics.Color)	4287604293 (0xFF8FA645)
YUV	148.0650, -38.9790, -4.4420
Hunter-Lab	57.9152, -21.0977, 29.5482

Details

The Yxy color **33.5417, 0.3703, 0.4770** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.2915, 0.2243, 0.1552**, and the grayscale version is **29.8052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2355, 0.3621, 0.4468**, and **14.2428, 0.3791, 0.5232** is the 20% darker color. If you saturate the color by 10%, you get **33.0196, 0.3759, 0.4980**, and if you desaturate by 10%, it is **34.1368, 0.3627, 0.4531**.

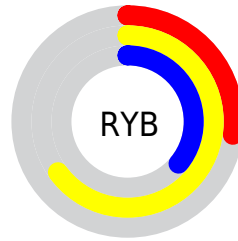
Distribution



Red (56%)

Green (65%)

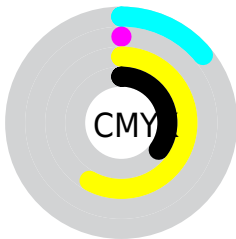
Blue (27%)



Red (27%)

Yellow (65%)

Blue (36%)

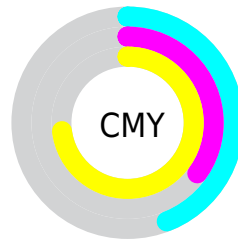


Cyan (14%)

Magenta (0%)

Yellow (58%)

Black (35%)



Cyan (44%)


Magenta (35%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5417, 0.3703, 0.4770 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 33.5417, 0.3703, 0.4770 by changing the saturation by 10% instead.


 33.5417, 0.3703,
0.4770

 33.5417, 0.3703,
0.4770


318.0836, 0.3441,
0.3977


 22.5417, 0.3749,
0.4975


 65.2203, 0.3619,
0.4474


 14.2555, 0.3791,
0.5237


 86.6678, 0.3584,
0.4364

 8.2986, 0.3812,
0.5574


 112.3666, 0.3553,
0.4273

 4.2866, 0.3853,
0.6147

 142.7010, 0.3525,
0.4195

 1.8351, 0.3506,
0.6494

 178.0556, 0.3500,
0.4129

 0.5089, 0.0000,
1.0000

218.8146, 0.3478,

 0.0000, 0.0000,

0.4071

0.0000

265.3625, 0.3459,
0.4021

■ 33.5417, 0.3703,
0.4770

■ 33.5417, 0.3703,
0.4770

■ 33.0196, 0.3759,
0.4980

■ 34.1368, 0.3627,
0.4531

■ 32.5610, 0.3792,
0.5152

■ 34.8050, 0.3535,
0.4275

■ 32.1614, 0.3799,
0.5279

■ 35.5517, 0.3434,
0.4010

■ 31.8102, 0.3785,
0.5366

■ 36.3808, 0.3326,
0.3748

■ 31.7565, 0.3783,
0.5379

■ 37.2957, 0.3217,
0.3494

■ 38.2996, 0.3110,
0.3253

■ 39.3958, 0.3007,
0.3028

■ 40.5870, 0.2909,
0.2822

■ 41.8760, 0.2818,
0.2633

Harmonies

Analogous

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



33.5417, 0.4357, 0.4443



33.5417, 0.3703, 0.4770



33.5417, 0.2936, 0.4588

Triad

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



33.5417, 0.3703, 0.4770



33.5417, 0.1754, 0.2396



33.5417, 0.3982, 0.2764

Complementary

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



33.5417, 0.3703, 0.4770



9.2915, 0.2243, 0.1552

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.



33.5417, 0.3157, 0.2342



33.5417, 0.3703, 0.4770



33.5417, 0.1946, 0.2114

Square

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



33.5417, 0.3703, 0.4770



33.5417, 0.1853, 0.3003



33.5417, 0.2424, 0.2110



33.5417, 0.4583, 0.3307

Rectangle

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



33.5417, 0.3703, 0.4770



33.5417, 0.2464, 0.4142



33.5417, 0.2424, 0.2110



33.5417, 0.3715, 0.2606

Sweetspot

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



33.5432, 0.3703, 0.4770



66.0373, 0.3325, 0.3746



16.1334, 0.4640, 0.3634



14.6795, 0.3356, 0.3819



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.5432, 0.3703, 0.4770



59.6730, 0.3771, 0.5034



30.1309, 0.3238, 0.5024



8.6828, 0.3227, 0.3516



24.6467, 0.3786, 0.5376



0.6209, 0.3929, 0.5262

Inverse Universe

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



9.2915, 0.2243, 0.1552



11.5481, 0.2016, 0.1179



12.6021, 0.2839, 0.1802



7.3833, 0.3021, 0.3059



2.4938, 0.1646, 0.0680



0.0832, 0.1983, 0.0866

Previews

White Background



This preview shows how the Yxy color 33.5417, 0.3703, 0.4770 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 33.5417, 0.3703, 0.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

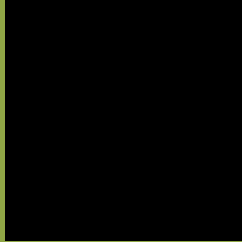
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5417, 0.3703, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 33.5417, 0.3703, 0.4770.



This preview shows how white text looks on a background with the Yxy color 33.5417, 0.3703, 0.4770.

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

33.5417, 0.3703, 0.4770

Protanopia

33.5060, 0.4120, 0.4527

Deuteranopia

33.3268, 0.4332, 0.4250



Tritanopia

33.4741, 0.3001, 0.3112

Trichromacy



Original Color

33.5417, 0.3703, 0.4770

Protanomaly

33.3334, 0.3970, 0.4613

Deuteranomaly

33.0245, 0.4104, 0.4433

Tritanomaly

33.2916, 0.3282, 0.3727

Monochromacy



Original Color

33.5417, 0.3703, 0.4770

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8856, 0.3372, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5417, 0.3703, 0.4770 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(143, 166, 69)` looks like.

```
.text, #text, p{  
    color:rgb(143, 166, 69)  
}
```

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(143, 166, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 166, 69) }
```

Border

The CSS property to change the border of an element to Yxy 33.5417, 0.3703, 0.4770 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(143, 166, 69) }
```

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

```
.border{ border-color:rgb(143, 166, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 166, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 166, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 166, 69);  
box-shadow:4px 4px 4px 4px rgb(143, 166,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5417, 0.3703, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 166, 69) }
```

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

```
.background{ background-color: rgb(143,  
166, 69) }
```

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