

Converting Colors

$Yxy(34.1193, 0.3571, 0.4696)$

Have a look what the booklet for
Yxy(34.1193, 0.3571, 0.4696)
contains.

| | |
|---|----|
| Yxy(33.9731, 0.3574, 0.4689) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.9731, 0.3574, 0.4689)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8AA84F |
| RGB | 138, 168, 79 |
| RGB Percent | 54%, 66%, 31% |
| CMY | 0.4588, 0.3412, 0.6903 |
| CMYK | 0.18, 0.00, 0.53, 0.34 |
| HSL | 80°, 36%, 48% |
| HSV | 80°, 53%, 66% |
| XYZ | 25.8946, 33.9731, 12.5850 |
| YIQ | 148.8840, 10.6890, -34.0390 |

Conversions

Conversions Part 2

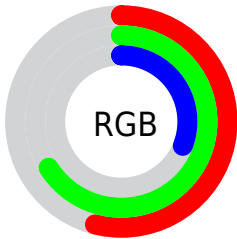
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 79, 168, 109 |
| Decimal | 9087055 |
| CIELab | 64.94, -24.75, 42.13 |
| CIELCh | 65, 48.862, 120.431 |
| Yxy | 33.9731, 0.3574, 0.4689 |
| Android (android.graphics.Color) | 4287277135 (0xFF8AA84F) |
| YUV | 148.8840, -34.4528, -9.5453 |
| Hunter-Lab | 58.2864, -22.7000, 27.9988 |

Details

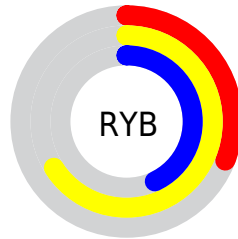
The Yxy color **33.9731, 0.3574, 0.4689** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.6661, 0.2439, 0.1760**, and the grayscale version is **30.1477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7515, 0.3507, 0.4394**, and **14.5579, 0.3642, 0.5146** is the 20% darker color. If you saturate the color by 10%, you get **33.2897, 0.3624, 0.4935**, and if you desaturate by 10%, it is **34.7465, 0.3506, 0.4423**.

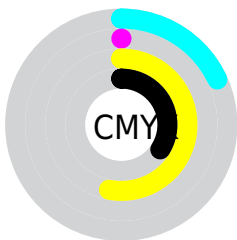
Distribution



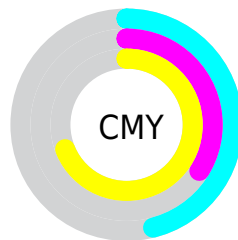
- Red (54%)
- Green (66%)
- Blue (31%)



- Red (31%)
- Yellow (66%)
- Blue (43%)



- Cyan (18%)
- Magenta (0%)
- Yellow (53%)
- Black (34%)





- Cyan (46%)
- Magenta (34%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9731, 0.3574, 0.4689 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 33.9731, 0.3574, 0.4689 by changing the saturation by 10% instead.


 33.9731, 0.3574,
0.4689


 33.9731, 0.3574,
0.4689


320.0121, 0.3373,
0.3932


 22.8729, 0.3609,
0.4891


 65.8918, 0.3510,
0.4403


 14.4997, 0.3640,
0.5154


 87.4792, 0.3483,
0.4298


 8.4690, 0.3653,
0.5503

 113.3311, 0.3459,
0.4211

 4.3965, 0.3733,
0.6181

 143.8319, 0.3438,
0.4138

 1.8977, 0.3393,
0.6607

 179.3660, 0.3419,
0.4075

 0.5470, 0.0000,
1.0000

220.3178, 0.3402,

 0.0000, 0.0000,

0.4021

0.0000

267.0717, 0.3387,
0.3973

■ 33.9731, 0.3574,
0.4689

■ 33.9731, 0.3574,
0.4689

■ 33.2897, 0.3624,
0.4935

■ 34.7465, 0.3506,
0.4423

■ 32.6867, 0.3653,
0.5149

■ 35.6100, 0.3426,
0.4148

■ 32.1597, 0.3657,
0.5321

■ 36.5694, 0.3338,
0.3875

■ 31.7019, 0.3638,
0.5444

■ 37.6286, 0.3247,
0.3611

■ 31.4116, 0.3616,
0.5511

■ 38.7913, 0.3154,
0.3361

■ 40.0610, 0.3064,
0.3129

■ 41.4410, 0.2978,
0.2916

■ 42.9343, 0.2896,
0.2723

■ 44.5441, 0.2819,
0.2548

Harmonies

Analogous

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



33.9731, 0.4218, 0.4452



33.9731, 0.3574, 0.4689



33.9731, 0.2848, 0.4425

Triad

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



33.9731, 0.3574, 0.4689



33.9731, 0.1832, 0.2390



33.9731, 0.4037, 0.2866

Complementary

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



33.9731, 0.3574, 0.4689



11.6661, 0.2439, 0.1760

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.



33.9731, 0.3274, 0.2440



33.9731, 0.3574, 0.4689



33.9731, 0.2058, 0.2158

Square

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



33.9731, 0.3574, 0.4689



33.9731, 0.1887, 0.2921



33.9731, 0.2555, 0.2188



33.9731, 0.4545, 0.3396

Rectangle

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



33.9731, 0.3574, 0.4689



33.9731, 0.2417, 0.3971



33.9731, 0.2555, 0.2188



33.9731, 0.3796, 0.2709

Sweetspot

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



33.9746, 0.3574, 0.4689



67.6232, 0.3277, 0.3697



19.7530, 0.4360, 0.3745



14.6563, 0.3295, 0.3748



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.



33.9746, 0.3574, 0.4689



60.1541, 0.3632, 0.4985



30.9412, 0.3163, 0.4891



8.6453, 0.3212, 0.3517



23.7482, 0.3621, 0.5507



0.6042, 0.3818, 0.5351

Inverse Universe

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



11.6661, 0.2439, 0.1760



15.1693, 0.2240, 0.1401



15.2046, 0.2991, 0.1975



7.4188, 0.3037, 0.3060



2.8091, 0.1766, 0.0747



0.0963, 0.2159, 0.0963

Previews

White Background



This preview shows how the Yxy color 33.9731, 0.3574, 0.4689 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 33.9731, 0.3574, 0.4689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

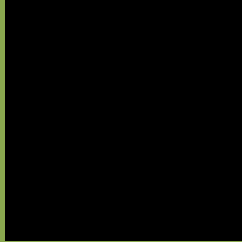
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9731, 0.3574, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 33.9731, 0.3574, 0.4689.



This preview shows how white text looks on a background with the Yxy color 33.9731, 0.3574, 0.4689.

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

33.9731, 0.3574, 0.4689

Protanopia

33.6344, 0.4047, 0.4416

Deuteranopia

33.7902, 0.4239, 0.4152



Tritanopia

33.8780, 0.2939, 0.3097

Trichromacy



Original Color

33.9731, 0.3574, 0.4689

Protanomaly

33.6026, 0.3870, 0.4518

Deuteranomaly

33.6074, 0.3988, 0.4350

Tritanomaly

33.7866, 0.3186, 0.3666

Monochromacy



Original Color

33.9731, 0.3574, 0.4689

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2519, 0.3313, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9731, 0.3574, 0.4689 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(138, 168, 79)` looks like.

```
.text, #text, p{  
    color:rgb(138, 168, 79)  
}
```

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(138, 168, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 168, 79) }
```

Border

The CSS property to change the border of an element to Yxy 33.9731, 0.3574, 0.4689 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(138, 168, 79) }
```

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

```
.border{ border-color:rgb(138, 168, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 168, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 168, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 168, 79);  
box-shadow:4px 4px 4px 4px rgb(138, 168,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9731, 0.3574, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 168, 79) }
```

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

```
.background{ background-color: rgb(138,  
168, 79) }
```

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