

Converting Colors

$Yxy(34.3630, 0.3180, 0.4184)$

Have a look what the booklet for
Yxy(34.3630, 0.3180, 0.4184)
contains.

Yxy(34.4460, 0.3172, 0.4182)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4460, 0.3172, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	7EAA74
RGB	126, 170, 116
RGB Percent	49%, 67%, 45%
CMY	0.5060, 0.3333, 0.5451
CMYK	0.26, 0.00, 0.32, 0.33
HSL	109°, 24%, 56%
HSV	109°, 32%, 67%
XYZ	26.1269, 34.4460, 21.7944
YIQ	150.6880, -8.8900, -26.1220

Conversions

Conversions Part 2

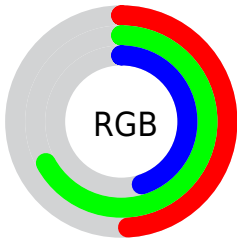
Format	Color
RYB	116, 170, 160
Decimal	8301172
CIELab	65.32, -25.39, 23.21
CIELCh	65, 34.400, 137.578
Yxy	34.4460, 0.3172, 0.4182
Android (android.graphics.Color)	4286491252 (0xFF7EAA74)
YUV	150.6880, -17.1012, -21.6514
Hunter-Lab	58.6907, -23.2472, 19.0666

Details

The Yxy color **34.4460, 0.3172, 0.4182** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8725, 0.3049, 0.2490**, and the grayscale version is **30.8818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3809, 0.3176, 0.3992**, and **14.8580, 0.3161, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **33.1057, 0.3178, 0.4511**, and if you desaturate by 10%, it is **36.0078, 0.3161, 0.3872**.

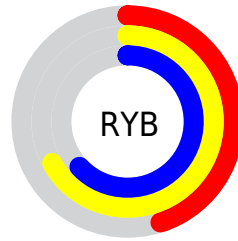
Distribution



Red (49%)

Green (67%)

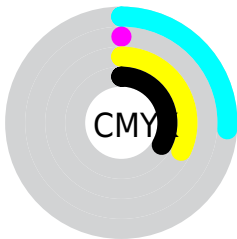
Blue (45%)



Red (45%)

Yellow (67%)

Blue (63%)

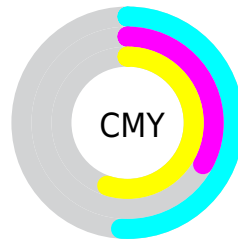


Cyan (26%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (51%)


Magenta (33%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4460, 0.3172, 0.4182 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 34.4460, 0.3172, 0.4182 by changing the saturation by 10% instead.


 34.4460, 0.3172,
0.4182

 34.4460, 0.3172,
0.4182


322.1162, 0.3161,
0.3693


 23.2364, 0.3170,
0.4319


 66.6266, 0.3171,
0.3993

 14.7682, 0.3163,
0.4505


 88.3665, 0.3170,
0.3926

 8.6569, 0.3145,
0.4770


 114.3853, 0.3168,
0.3870

 4.5180, 0.3100,
0.5174

145.0673, 0.3167,
0.3824

 1.9674, 0.3135,
0.6164

180.7970, 0.3165,
0.3784

 0.5884, 0.0000,
1.0000

221.9588, 0.3163,

 0.0000, 0.0000,

0.3749

0.0000

268.9371, 0.3162,
0.3720

■ 34.4460, 0.3172,
0.4182

■ 34.4460, 0.3172,
0.4182

■ 33.1057, 0.3178,
0.4511

■ 36.0078, 0.3161,
0.3872

■ 31.9725, 0.3177,
0.4846

■ 37.7959, 0.3147,
0.3588

■ 31.0371, 0.3168,
0.5169


■ 39.8205, 0.3130,
0.3332

■ 30.2879, 0.3149,
0.5459


■ 42.0899, 0.3113,
0.3106

■ 29.7118, 0.3122,
0.5695


■ 44.6120, 0.3095,
0.2907

 29.2941, 0.3089,
0.5860

 47.3943, 0.3077,
0.2733

 29.0507, 0.3063,
0.5950

 50.4440, 0.3060,
0.2581

 53.7681, 0.3044,
0.2449

 56.4375, 0.3132,
0.2451

Harmonies

Analogous

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



34.4460, 0.3683, 0.4241



34.4460, 0.3172, 0.4182



34.4460, 0.2673, 0.3805

Triad

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



34.4460, 0.3172, 0.4182



34.4460, 0.2248, 0.2522



34.4460, 0.4000, 0.3218

Complementary

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



34.4460, 0.3172, 0.4182



22.8725, 0.3049, 0.2490

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.



34.4460, 0.3552, 0.2840



34.4460, 0.3172, 0.4182



34.4460, 0.2541, 0.2449

Square

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



34.4460, 0.3172, 0.4182



34.4460, 0.2169, 0.2803



34.4460, 0.3009, 0.2567



34.4460, 0.4189, 0.3636

Rectangle

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



34.4460, 0.3172, 0.4182



34.4460, 0.2413, 0.3452



34.4460, 0.3009, 0.2567



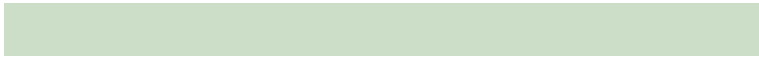
34.4460, 0.3873, 0.3084

Sweetspot

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



34.4475, 0.3172, 0.4182



69.1203, 0.3144, 0.3545



34.6767, 0.3640, 0.3924



15.3077, 0.3146, 0.3582



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.



34.4475, 0.3172, 0.4182



60.7662, 0.3177, 0.4408



34.1384, 0.2960, 0.3923



8.4718, 0.3143, 0.3521



21.3852, 0.3068, 0.5946



0.5388, 0.3269, 0.5787

Inverse Universe

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



22.8725, 0.3049, 0.2490



36.4784, 0.3026, 0.2313



23.3650, 0.3350, 0.2733



7.5957, 0.3109, 0.3065



6.1729, 0.2754, 0.1291



0.1678, 0.2914, 0.1379

Previews

White Background



This preview shows how the Yxy color 34.4460, 0.3172, 0.4182 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 34.4460, 0.3172, 0.4182 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 34.4460, 0.3172, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 34.4460, 0.3172, 0.4182.



This preview shows how white text looks on a background with the Yxy color 34.4460, 0.3172, 0.4182.

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

34.4460, 0.3172, 0.4182

Protanopia

34.2593, 0.3703, 0.3978

Deuteranopia

34.2516, 0.3804, 0.3737



Tritanopia

34.5238, 0.2789, 0.3107

Trichromacy



Original Color

34.4460, 0.3172, 0.4182

Protanomaly

34.0015, 0.3500, 0.4045

Deuteranomaly

34.0207, 0.3550, 0.3891

Tritanomaly

34.5111, 0.2922, 0.3479

Monochromacy



Original Color

34.4460, 0.3172, 0.4182

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.0395, 0.3151, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4460, 0.3172, 0.4182 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(126, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(126, 170, 116)  
}
```

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(126, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 170, 116) }
```

Border

The CSS property to change the border of an element to Yxy 34.4460, 0.3172, 0.4182 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(126, 170, 116) }
```

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

```
.border{ border-color:rgb(126, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(126, 170,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4460, 0.3172, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 170, 116) }
```

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

```
.background{ background-color: rgb(126,  
170, 116) }
```

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