

Converting Colors

$Yxy(33.5322, 0.3416, 0.4618)$

Have a look what the booklet for
Yxy(33.5322, 0.3416, 0.4618)
contains.

Yxy(33.6532, 0.3414, 0.4631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6532, 0.3414, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	80A957
RGB	128, 169, 87
RGB Percent	50%, 66%, 34%
CMY	0.4981, 0.3372, 0.6588
CMYK	0.24, 0.00, 0.49, 0.34
HSL	90°, 32%, 50%
HSV	90°, 49%, 66%
XYZ	24.8093, 33.6532, 14.2069
YIQ	147.3930, 1.8860, -34.1940

Conversions

Conversions Part 2

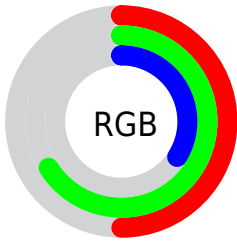
Format	Color
RYB	87, 169, 128
Decimal	8431959
CIELab	64.69, -28.24, 37.67
CIELCh	65, 47.085, 126.858
Yxy	33.6532, 0.3414, 0.4631
Android (android.graphics.Color)	4286622039 (0xFF80A957)
YUV	147.3930, -29.7737, -17.0077
Hunter-Lab	58.0114, -25.1820, 26.0880

Details

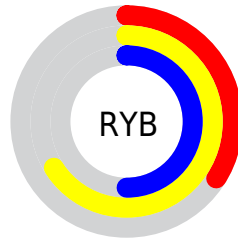
The Yxy color **33.6532, 0.3414, 0.4631** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.2744, 0.2667, 0.1955**, and the grayscale version is **29.4742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0914, 0.3379, 0.4352**, and **14.3990, 0.3438, 0.5107** is the 20% darker color. If you saturate the color by 10%, you get **32.7815, 0.3446, 0.4916**, and if you desaturate by 10%, it is **34.6472, 0.3368, 0.4336**.

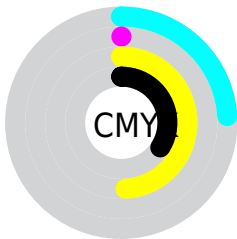
Distribution



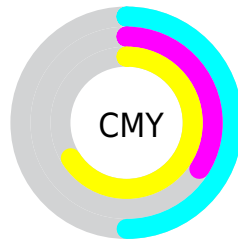
- Red (50%)
- Green (66%)
- Blue (34%)



- Red (34%)
- Yellow (66%)
- Blue (50%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (34%)




- Cyan (50%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6532, 0.3414, 0.4631 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 33.6532, 0.3414, 0.4631 by changing the saturation by 10% instead.


 33.6532, 0.3414,
0.4631

 33.6532, 0.3414,
0.4631


318.5829, 0.3292,
0.3896


 22.6273, 0.3431,
0.4833


 65.3940, 0.3378,
0.4349


 14.3186, 0.3442,
0.5102


 86.8777, 0.3362,
0.4247


 8.3426, 0.3433,
0.5471


 112.6161, 0.3347,
0.4163

 4.3149, 0.3421,
0.6096

 142.9937, 0.3334,
0.4093

 1.8512, 0.3162,
0.6838

 178.3947, 0.3322,
0.4032

 0.5188, 0.0000,
1.0000

219.2037, 0.3311,

 0.0000, 0.0000,

0.3980

0.0000

265.8049, 0.3301,
0.3935

■ 33.6532, 0.3414,
0.4631

■ 33.6532, 0.3414,
0.4631

■ 32.7815, 0.3446,
0.4916

■ 34.6472, 0.3368,
0.4336

■ 32.0217, 0.3459,
0.5176

■ 35.7644, 0.3312,
0.4044

■ 31.3688, 0.3452,
0.5397


■ 37.0113, 0.3249,
0.3763

■ 30.8152, 0.3423,
0.5568

■ 38.3927, 0.3183,
0.3499

■ 30.3486, 0.3377,
0.5689


■ 39.9131, 0.3117,
0.3255

 30.2843, 0.3370,
0.5706

 41.5766, 0.3053,
0.3034

 43.3872, 0.2991,
0.2834

 45.3489, 0.2932,
0.2655

 47.4653, 0.2876,
0.2495

Harmonies

Analogous

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



33.6532, 0.4070, 0.4497



33.6532, 0.3414, 0.4631



33.6532, 0.2717, 0.4260

Triad

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



33.6532, 0.3414, 0.4631



33.6532, 0.1893, 0.2347



33.6532, 0.4142, 0.2985

Complementary

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



33.6532, 0.3414, 0.4631



14.2744, 0.2667, 0.1955

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.



33.6532, 0.3434, 0.2541



33.6532, 0.3414, 0.4631



33.6532, 0.2171, 0.2177

Square

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



33.6532, 0.3414, 0.4631



33.6532, 0.1888, 0.2801



33.6532, 0.2708, 0.2254



33.6532, 0.4548, 0.3515

Rectangle

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



33.6532, 0.3414, 0.4631



33.6532, 0.2325, 0.3782



33.6532, 0.2708, 0.2254



33.6532, 0.3927, 0.2824

Sweetspot

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



33.6547, 0.3414, 0.4631



67.0568, 0.3228, 0.3675



24.5645, 0.4111, 0.3913



14.5098, 0.3241, 0.3729



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.



33.6547, 0.3414, 0.4631



58.6295, 0.3447, 0.4930



31.0931, 0.3057, 0.4790



8.5850, 0.3189, 0.3518



22.6009, 0.3378, 0.5700



0.5803, 0.3641, 0.5491

Inverse Universe

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



14.2744, 0.2667, 0.1955



19.8444, 0.2535, 0.1659



18.1186, 0.3181, 0.2140



7.4779, 0.3061, 0.3062



3.5902, 0.2041, 0.0898



0.1178, 0.2418, 0.1106

Previews

White Background



This preview shows how the Yxy color 33.6532, 0.3414, 0.4631 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 33.6532, 0.3414, 0.4631 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 33.6532, 0.3414, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 33.6532, 0.3414, 0.4631.



This preview shows how white text looks on a background with the Yxy color 33.6532, 0.3414, 0.4631.

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

33.6532, 0.3414, 0.4631

Protanopia

33.5091, 0.3969, 0.4342

Deuteranopia

33.2147, 0.4142, 0.4057



Tritanopia

33.6956, 0.2843, 0.3107

Trichromacy



Original Color

33.6532, 0.3414, 0.4631

Protanomaly

33.1978, 0.3762, 0.4452

Deuteranomaly

32.7306, 0.3862, 0.4260

Tritanomaly

33.3517, 0.3064, 0.3642

Monochromacy



Original Color

33.6532, 0.3414, 0.4631

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4988, 0.3254, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6532, 0.3414, 0.4631 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(128, 169, 87)` looks like.

```
.text, #text, p{  
    color:rgb(128, 169, 87)  
}
```

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(128, 169, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 169, 87) }
```

Border

The CSS property to change the border of an element to Yxy 33.6532, 0.3414, 0.4631 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(128, 169, 87) }
```

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

```
.border{ border-color:rgb(128, 169, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 169, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 169, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 169, 87);  
box-shadow:4px 4px 4px 4px rgb(128, 169,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6532, 0.3414, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 169, 87) }
```

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

```
.background{ background-color: rgb(128,  
169, 87) }
```

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