

Converting Colors

$Yxy(34.0199, 0.3440, 0.4511)$

Have a look what the booklet for
Yxy(34.0199, 0.3440, 0.4511)
contains.

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Color

Yxy(33.9465, 0.3442, 0.4499)

Conversions

Conversions Part 1

Format	Color
Hex	87A85D
RGB	135, 168, 93
RGB Percent	53%, 66%, 36%
CMY	0.4705, 0.3412, 0.6353
CMYK	0.20, 0.00, 0.45, 0.34
HSL	86°, 30%, 51%
HSV	86°, 45%, 66%
XYZ	25.9711, 33.9465, 15.5359
YIQ	149.5830, 4.4070, -30.3210

Conversions

Conversions Part 2

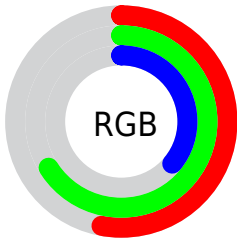
Format	Color
RYB	93, 168, 126
Decimal	8890461
CIELab	64.92, -24.34, 35.01
CIElCh	65, 42.637, 124.809
Yxy	33.9465, 0.3442, 0.4499
Android (android.graphics.Color)	4287080541 (0xFF87A85D)
YUV	149.5830, -27.8954, -12.7893
Hunter-Lab	58.2636, -22.3948, 24.9750

Details

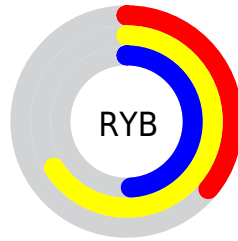
The Yxy color **33.9465, 0.3442, 0.4499** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0874, 0.2661, 0.2050**, and the grayscale version is **30.4334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7668, 0.3398, 0.4237**, and **14.5116, 0.3490, 0.4932** is the 20% darker color. If you saturate the color by 10%, you get **33.0905, 0.3489, 0.4779**, and if you desaturate by 10%, it is **34.9134, 0.3381, 0.4212**.

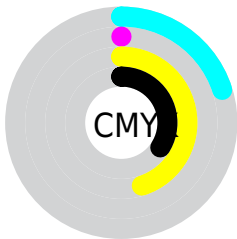
Distribution



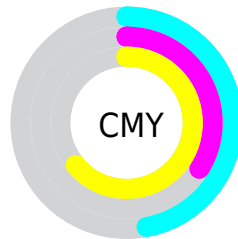
- Red (53%)
- Green (66%)
- Blue (36%)



- Red (36%)
- Yellow (66%)
- Blue (49%)



- Cyan (20%)
- Magenta (0%)
- Yellow (45%)
- Black (34%)




- Cyan (47%)
- Magenta (34%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9465, 0.3442, 0.4499 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 33.9465, 0.3442, 0.4499 by changing the saturation by 10% instead.


 33.9465, 0.3442,
0.4499


 33.9465, 0.3442,
0.4499


319.8934, 0.3300,
0.3840

 22.8525, 0.3468,
0.4680


 65.8505, 0.3396,
0.4247

 14.4846, 0.3493,
0.4920


 87.4292, 0.3377,
0.4156

 8.4585, 0.3507,
0.5250


 113.2717, 0.3360,
0.4080

 4.3897, 0.3508,
0.5762

 143.7622, 0.3345,
0.4017

 1.8939, 0.3417,
0.6583

179.2853, 0.3332,
0.3963

 0.5447, 0.0000,
1.0000

220.2253, 0.3320,

 0.0000, 0.0000,

0.3916

0.0000

266.9665, 0.3309,
0.3875

■ 33.9465, 0.3442,
0.4499

■ 33.9465, 0.3442,
0.4499

■ 33.0905, 0.3489,
0.4779

■ 34.9134, 0.3381,
0.4212

■ 32.3357, 0.3520,
0.5040

■ 35.9916, 0.3312,
0.3928

■ 31.6780, 0.3529,
0.5267


■ 37.1868, 0.3238,
0.3657


■ 31.1108, 0.3515,
0.5449


■ 38.5034, 0.3162,
0.3402


■ 30.6263, 0.3479,
0.5580


■ 39.9452, 0.3087,
0.3167

 30.3920, 0.3456,
0.5638

 41.5159, 0.3015,
0.2953

 43.2192, 0.2946,
0.2759

 45.0584, 0.2881,
0.2586

 47.0368, 0.2820,
0.2430

Harmonies

Analogous

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



33.9465, 0.4028, 0.4371



33.9465, 0.3442, 0.4499



33.9465, 0.2803, 0.4192

Triad

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



33.9465, 0.3442, 0.4499



33.9465, 0.1987, 0.2454



33.9465, 0.4007, 0.2986

Complementary

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



33.9465, 0.3442, 0.4499



15.0874, 0.2661, 0.2050

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.



33.9465, 0.3361, 0.2582



33.9465, 0.3442, 0.4499



33.9465, 0.2229, 0.2274

Square

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



33.9465, 0.3442, 0.4499



33.9465, 0.2002, 0.2894



33.9465, 0.2709, 0.2328



33.9465, 0.4399, 0.3473

Rectangle

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



33.9465, 0.3442, 0.4499



33.9465, 0.2434, 0.3781



33.9465, 0.2709, 0.2328



33.9465, 0.3808, 0.2838

Sweetspot

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



33.9480, 0.3442, 0.4499



67.8034, 0.3227, 0.3619



23.9076, 0.4048, 0.3792



14.6720, 0.3243, 0.3676



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.



33.9480, 0.3442, 0.4499



59.9966, 0.3491, 0.4789



31.3920, 0.3103, 0.4636



8.6072, 0.3197, 0.3518



22.9810, 0.3463, 0.5632



0.5887, 0.3706, 0.5440

Inverse Universe

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



15.0874, 0.2661, 0.2050



21.1820, 0.2519, 0.1744



18.4402, 0.3114, 0.2202



7.4559, 0.3052, 0.3061



3.2602, 0.1929, 0.0836



0.1098, 0.2326, 0.1055

Previews

White Background



This preview shows how the Yxy color 33.9465, 0.3442, 0.4499 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 33.9465, 0.3442, 0.4499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

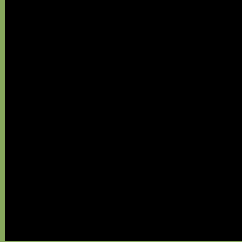
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9465, 0.3442, 0.4499

Background



This preview shows how black text looks on a background with the Yxy color 33.9465, 0.3442, 0.4499.



This preview shows how white text looks on a background with the Yxy color 33.9465, 0.3442, 0.4499.

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

33.9465, 0.3442, 0.4499

Protanopia

33.6059, 0.3918, 0.4265

Deuteranopia

33.6229, 0.4087, 0.4007



Tritanopia

33.8858, 0.2895, 0.3095

Trichromacy



Original Color

33.9465, 0.3442, 0.4499

Protanomaly

33.5989, 0.3746, 0.4357

Deuteranomaly

33.5045, 0.3835, 0.4180

Tritanomaly

33.5746, 0.3104, 0.3589

Monochromacy



Original Color

33.9465, 0.3442, 0.4499

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.7187, 0.3264, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9465, 0.3442, 0.4499 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(135, 168, 93)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 93)  
}
```

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(135, 168, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 93) }
```

Border

The CSS property to change the border of an element to Yxy 33.9465, 0.3442, 0.4499 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(135, 168, 93) }
```

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

```
.border{ border-color:rgb(135, 168, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 168, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 93);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9465, 0.3442, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 93) }
```

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

```
.background{ background-color: rgb(135,  
168, 93) }
```

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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