

Converting Colors

$Yxy(35.0780, 0.3100, 0.4482)$

Have a look what the booklet for
Yxy(35.0780, 0.3100, 0.4482)
contains.

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Color

Yxy(34.9311, 0.3103, 0.4481)

Conversions

Conversions Part 1

Format	Color
Hex	6DAF69
RGB	109, 175, 105
RGB Percent	43%, 69%, 41%
CMY	0.5724, 0.3137, 0.5882
CMYK	0.38, 0.00, 0.40, 0.31
HSL	117°, 30%, 55%
HSV	117°, 40%, 69%
XYZ	24.1891, 34.9311, 18.8336
YIQ	147.2860, -16.8660, -35.7620

Conversions

Conversions Part 2

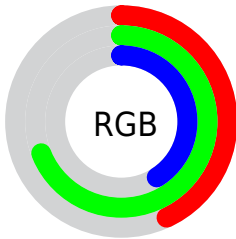
Format	Color
RYB	105, 175, 171
Decimal	7188329
CIELab	65.69, -35.28, 29.42
CIELCh	66, 45.933, 140.174
Yxy	34.9311, 0.3103, 0.4481
Android (android.graphics.Color)	4285378409 (0xFF6DAF69)
YUV	147.2860, -20.8470, -33.5768
Hunter-Lab	59.1025, -30.3742, 22.4784

Details

The Yxy color **34.9311, 0.3103, 0.4481** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.8556, 0.3125, 0.2309**, and the grayscale version is **29.3986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3727, 0.3122, 0.4226**, and **15.0453, 0.3050, 0.4932** is the 20% darker color. If you saturate the color by 10%, you get **33.6588, 0.3091, 0.4830**, and if you desaturate by 10%, it is **36.4767, 0.3112, 0.4142**.

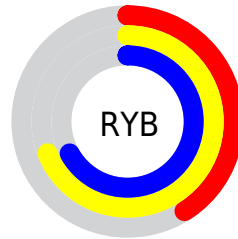
Distribution



Red (43%)

Green (69%)

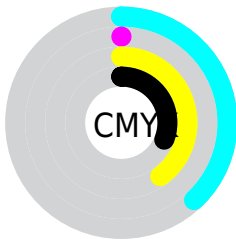
Blue (41%)



Red (41%)

Yellow (69%)

Blue (67%)

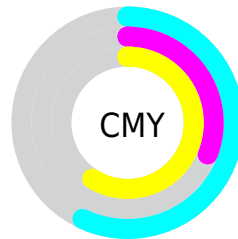


Cyan (38%)

Magenta (0%)

Yellow (40%)

Black (31%)



Cyan (57%)


Magenta (31%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9311, 0.3103, 0.4481 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 34.9311, 0.3103, 0.4481 by changing the saturation by 10% instead.

 34.9311, 0.3103,
0.4481


 34.9311, 0.3103,
0.4481


324.2641, 0.3138,
0.3822

 23.6098, 0.3084,
0.4667


 67.3790, 0.3123,
0.4226


 15.0444, 0.3051,
0.4920


 89.2744, 0.3128,
0.4135

 8.8506, 0.2992,
0.5279


 115.4633, 0.3131,
0.4059

 4.6438, 0.2872,
0.5821

 146.3301, 0.3134,
0.3997

 2.0398, 0.2792,
0.7208

182.2592, 0.3135,
0.3943

 0.6305, 0.0000,
1.0000

223.6350, 0.3136,

 0.0000, 0.0000,

0.3897

0.0000

270.8418, 0.3137,
0.3857

■ 34.9311, 0.3103,
0.4481

■ 34.9311, 0.3103,
0.4481

■ 33.6588, 0.3091,
0.4830

■ 36.4767, 0.3112,
0.4142

■ 32.6399, 0.3076,
0.5170

■ 38.3055, 0.3119,
0.3827

■ 31.8586, 0.3059,
0.5476

■ 40.4324, 0.3124,
0.3542

■ 31.2956, 0.3041,
0.5723

■ 42.8698, 0.3127,
0.3290


■ 30.9286, 0.3025,
0.5892


■ 45.6295, 0.3129,
0.3069


 30.7245, 0.3013,
0.5990

 48.7226, 0.3129,
0.2878

 30.7244, 0.3013,
0.5990

 52.1598, 0.3129,
0.2713

 55.9511, 0.3128,
0.2571

 59.1396, 0.3164,
0.2508

Harmonies

Analogous

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



34.9311, 0.3777, 0.4563



34.9311, 0.3103, 0.4481



34.9311, 0.2471, 0.3928

Triad

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



34.9311, 0.3103, 0.4481



34.9311, 0.2019, 0.2273



34.9311, 0.4328, 0.3220

Complementary

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



34.9311, 0.3103, 0.4481



21.8556, 0.3125, 0.2309

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.



34.9311, 0.3746, 0.2742



34.9311, 0.3103, 0.4481



34.9311, 0.2405, 0.2217

Square

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



34.9311, 0.3103, 0.4481



34.9311, 0.1895, 0.2590



34.9311, 0.3021, 0.2387



34.9311, 0.4533, 0.3749

Rectangle

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



34.9311, 0.3103, 0.4481



34.9311, 0.2157, 0.3428



34.9311, 0.3021, 0.2387



34.9311, 0.4167, 0.3052

Sweetspot

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



34.9326, 0.3103, 0.4481



71.5240, 0.3123, 0.3602



39.0084, 0.3738, 0.4206



15.7864, 0.3123, 0.3638



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.9326, 0.3103, 0.4481



60.5243, 0.3092, 0.4790



35.4221, 0.2855, 0.3957



8.9605, 0.3124, 0.3524



22.0123, 0.3016, 0.5988



0.6193, 0.3084, 0.5933

Inverse Universe

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



21.8556, 0.3125, 0.2309



33.8278, 0.3121, 0.2109



21.2527, 0.3550, 0.2712



8.1243, 0.3129, 0.3066



7.9506, 0.3068, 0.1464



0.2281, 0.3114, 0.1489

Previews

White Background



This preview shows how the Yxy color 34.9311, 0.3103, 0.4481 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 34.9311, 0.3103, 0.4481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

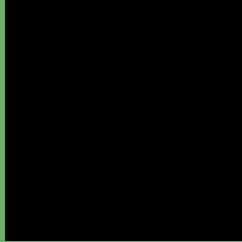
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9311, 0.3103, 0.4481

Background



This preview shows how black text looks on a background with the Yxy color 34.9311, 0.3103, 0.4481.



This preview shows how white text looks on a background with the Yxy color 34.9311, 0.3103, 0.4481.

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

34.9311, 0.3103, 0.4481

Protanopia

34.5814, 0.3829, 0.4153

Deuteranopia

34.4011, 0.3937, 0.3866



Tritanopia

34.7381, 0.2663, 0.3089

Trichromacy



Original Color

34.9311, 0.3103, 0.4481

Protanomaly

34.3339, 0.3541, 0.4283

Deuteranomaly

33.6979, 0.3605, 0.4080

Tritanomaly

34.4945, 0.2825, 0.3566

Monochromacy



Original Color

34.9311, 0.3103, 0.4481

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7664, 0.3117, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9311, 0.3103, 0.4481 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(109, 175, 105)` looks like.

```
.text, #text, p{  
    color:rgb(109, 175, 105)  
}
```

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(109, 175, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 175, 105) }
```

Border

The CSS property to change the border of an element to Yxy 34.9311, 0.3103, 0.4481 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(109, 175, 105) }
```

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

```
.border{ border-color:rgb(109, 175, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 175, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 175, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 175, 105);  
box-shadow:4px 4px 4px 4px rgb(109, 175,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9311, 0.3103, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 175, 105) }
```

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

```
.background{ background-color: rgb(109,  
175, 105) }
```

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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