

Converting Colors

$Yxy(34.9029, 0.3085, 0.4021)$

Have a look what the booklet for
Yxy(34.9029, 0.3085, 0.4021)
contains.

Yxy(34.9922, 0.3084, 0.4029)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.9922, 0.3084, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	7DAB7E
RGB	125, 171, 126
RGB Percent	49%, 67%, 49%
CMY	0.5098, 0.3294, 0.5060
CMYK	0.27, 0.00, 0.26, 0.33
HSL	121°, 21%, 58%
HSV	121°, 27%, 67%
XYZ	26.7848, 34.9922, 25.0738
YIQ	152.1160, -12.9710, -23.7470

Conversions

Conversions Part 2

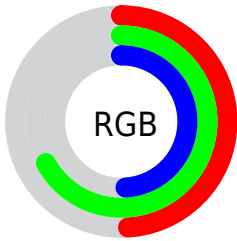
Format	Color
RYB	125, 170, 171
Decimal	8235902
CIELab	65.74, -24.53, 18.35
CIELCh	66, 30.632, 143.206
Yxy	34.9922, 0.3084, 0.4029
Android (android.graphics.Color)	4286425982 (0xFF7DAB7E)
YUV	152.1160, -12.8752, -23.7807
Hunter-Lab	59.1542, -22.6957, 16.2765

Details

The Yxy color **34.9922, 0.3084, 0.4029** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.2284, 0.3168, 0.2648**, and the grayscale version is **31.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7765, 0.3100, 0.3876**, and **15.1853, 0.3046, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **33.4191, 0.3066, 0.4358**, and if you desaturate by 10%, it is **36.8621, 0.3101, 0.3727**.

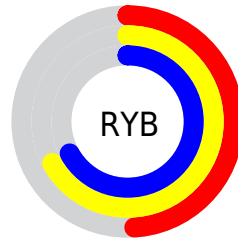
Distribution



Red (49%)

Green (67%)

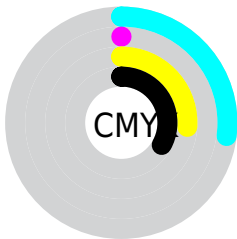
Blue (49%)



Red (49%)

Yellow (67%)

Blue (67%)

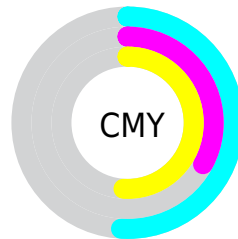


Cyan (27%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (51%)

Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9922, 0.3084, 0.4029 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 34.9922, 0.3084, 0.4029 by changing the saturation by 10% instead.


 34.9922, 0.3084,
0.4029


 34.9922, 0.3084,
0.4029


324.5339, 0.3115,
0.3626


 23.6569, 0.3072,
0.4142


 67.4737, 0.3098,
0.3874

 15.0793, 0.3054,
0.4295


 89.3886, 0.3102,
0.3818

 8.8750, 0.3024,
0.4513


 115.5989, 0.3106,
0.3772

 4.6598, 0.2969,
0.4848

146.4889, 0.3109,
0.3734

 2.0491, 0.2878,
0.5478

182.4430, 0.3111,
0.3701

 0.6357, 0.0085,
0.9915

223.8456, 0.3112,

 0.0000, 0.0000,

0.3673

0.0000

271.0811, 0.3114,
0.3648

■ 34.9922, 0.3084,
0.4029

■ 34.9922, 0.3084,
0.4029

■ 33.4191, 0.3066,
0.4358

■ 36.8621, 0.3101,
0.3727

■ 32.1235, 0.3048,
0.4705

■ 39.0382, 0.3117,
0.3457

■ 31.0905, 0.3031,
0.5050

■ 41.5351, 0.3131,
0.3220

■ 30.3022, 0.3017,
0.5371

■ 44.3649, 0.3144,
0.3015

■ 29.7385, 0.3006,
0.5642

■ 47.5393, 0.3156,
0.2837

■ 29.3758, 0.3000,
0.5841

■ 51.0694, 0.3166,
0.2685

■ 29.1816, 0.2997,
0.5959

■ 54.9657, 0.3175,
0.2554

■ 29.1361, 0.2996,
0.5985

■ 57.6081, 0.3166,
0.2469

Harmonies

Analogous

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



34.9922, 0.3546, 0.4142



34.9922, 0.3084, 0.4029



34.9922, 0.2654, 0.3660

Triad

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



34.9922, 0.3084, 0.4029



34.9922, 0.2376, 0.2578



34.9922, 0.3951, 0.3301

Complementary

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



34.9922, 0.3084, 0.4029



26.2284, 0.3168, 0.2648

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.



34.9922, 0.3591, 0.2947



34.9922, 0.3084, 0.4029



34.9922, 0.2674, 0.2543

Square

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



34.9922, 0.3084, 0.4029



34.9922, 0.2267, 0.2800



34.9922, 0.3114, 0.2677



34.9922, 0.4069, 0.3676

Rectangle

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



34.9922, 0.3084, 0.4029



34.9922, 0.2440, 0.3347



34.9922, 0.3114, 0.2677



34.9922, 0.3853, 0.3177

Sweetspot

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



34.9937, 0.3084, 0.4029



69.3974, 0.3115, 0.3489



39.1814, 0.3518, 0.3950



15.3420, 0.3113, 0.3527



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.



34.9937, 0.3084, 0.4029



61.0079, 0.3074, 0.4213



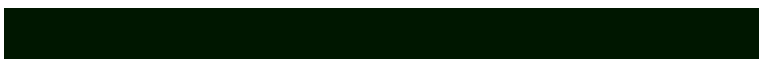
35.6504, 0.2907, 0.3645



8.9420, 0.3113, 0.3519



21.9636, 0.2995, 0.5983



0.6119, 0.2974, 0.5907

Inverse Universe

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



26.2284, 0.3168, 0.2648



42.7785, 0.3177, 0.2513



25.4392, 0.3424, 0.2961



8.1451, 0.3141, 0.3071



8.6408, 0.3262, 0.1571



0.2413, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 34.9922, 0.3084, 0.4029 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 34.9922, 0.3084, 0.4029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

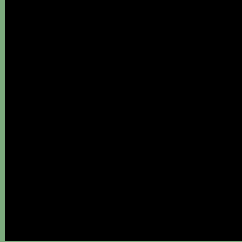
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9922, 0.3084, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 34.9922, 0.3084, 0.4029.



This preview shows how white text looks on a background with the Yxy color 34.9922, 0.3084, 0.4029.

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

34.9922, 0.3084, 0.4029

Protanopia

34.6984, 0.3603, 0.3863

Deuteranopia

34.7085, 0.3687, 0.3612



Tritanopia

34.7936, 0.2759, 0.3092

Trichromacy



Original Color

34.9922, 0.3084, 0.4029

Protanomaly

34.4696, 0.3406, 0.3922

Deuteranomaly

34.5131, 0.3442, 0.3755

Tritanomaly

34.9313, 0.2882, 0.3431

Monochromacy



Original Color

34.9922, 0.3084, 0.4029

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5302, 0.3106, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9922, 0.3084, 0.4029 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(125, 171, 126)` looks like.

```
.text, #text, p{  
    color:rgb(125, 171, 126)  
}
```

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(125, 171, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 171, 126) }
```

Border

The CSS property to change the border of an element to Yxy 34.9922, 0.3084, 0.4029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

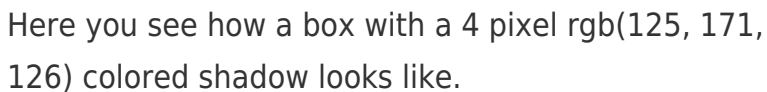
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 171, 126) }
```

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

```
.border{ border-color:rgb(125, 171, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 171, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 171, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 171, 126);  
box-shadow:4px 4px 4px 4px rgb(125, 171,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9922, 0.3084, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 171, 126) }
```

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

```
.background{ background-color: rgb(125,  
171, 126) }
```

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