

# Converting Colors

$Yxy(34.7299, 0.3623, 0.4324)$

Have a look what the booklet for  
Yxy(34.7299, 0.3623, 0.4324)  
contains.

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# Color

**Yxy(34.7419, 0.3625, 0.4324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BA561
RGB	155, 165, 97
RGB Percent	61%, 65%, 38%
CMY	0.3923, 0.3529, 0.6196
CMYK	0.06, 0.00, 0.41, 0.35
HSL	69°, 27%, 51%
HSV	69°, 41%, 65%
XYZ	29.1257, 34.7419, 16.4791
YIQ	154.2580, 15.8680, -23.2680

# Conversions

## Conversions Part 2

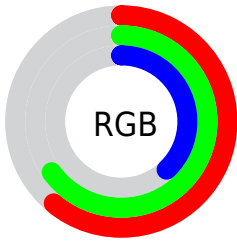
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 165, 107
Decimal	10200417
CIELab	65.55, -14.40, 34.02
CIELCh	66, 36.940, 112.950
Yxy	34.7419, 0.3625, 0.4324
Android (android.graphics.Color)	4288390497 (0xFF9BA561)
YUV	154.2580, -28.2282, 0.6507
Hunter-Lab	58.9423, -14.9451, 24.6833

# Details

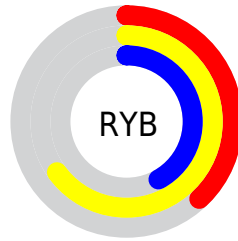
The Yxy color **34.7419, 0.3625, 0.4324** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3946, 0.2483, 0.2086**, and the grayscale version is **32.5539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0580, 0.3534, 0.4114**, and **14.8568, 0.3738, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **34.2283, 0.3729, 0.4563**, and if you desaturate by 10%, it is **35.3275, 0.3510, 0.4072**.

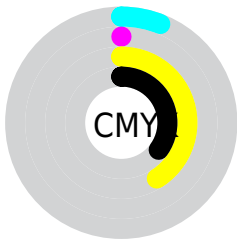
# Distribution



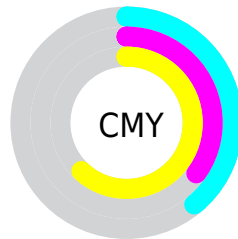
- Red (61%)
- Green (65%)
- Blue (38%)



- Red (38%)
- Yellow (65%)
- Blue (42%)



- Cyan (6%)
- Magenta (0%)
- Yellow (41%)
- Black (35%)




- Cyan (39%)
- Magenta (35%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7419, 0.3625, 0.4324 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 34.7419, 0.3625, 0.4324 by changing the saturation by 10% instead.





 34.7419, 0.3625,  
0.4324


 34.7419, 0.3625,  
0.4324


323.4276, 0.3380,  
0.3773

 23.4641, 0.3681,  
0.4470


 67.0857, 0.3539,  
0.4117


 14.9366, 0.3747,  
0.4661


 88.9206, 0.3506,  
0.4041

 8.7749, 0.3823,  
0.4918


 115.0433, 0.3477,  
0.3977

 4.5946, 0.3907,  
0.5286

 145.8381, 0.3452,  
0.3924

 2.0115, 0.4045,  
0.5955

181.6896, 0.3431,  
0.3878

 0.6141, 0.2743,  
0.7257

222.9821, 0.3412,

 0.0000, 0.0000,

0.3838

0.0000

270.1000, 0.3395,  
0.3803

■ 34.7419, 0.3625,  
0.4324

■ 34.7419, 0.3625,  
0.4324

■ 34.2283, 0.3729,  
0.4563

■ 35.3275, 0.3510,  
0.4072

■ 33.7781, 0.3816,  
0.4777

■ 35.9841, 0.3388,  
0.3815

■ 33.3882, 0.3881,  
0.4959


■ 36.7167, 0.3264,  
0.3562


■ 33.0536, 0.3922,  
0.5100


■ 37.5285, 0.3142,  
0.3319


■ 32.7683, 0.3938,  
0.5197

■ 38.4224, 0.3024,  
0.3089

 32.5464, 0.3937,  
0.5256

 39.4013, 0.2912,  
0.2875

 40.4679, 0.2808,  
0.2678

 41.6248, 0.2711,  
0.2499

 42.8744, 0.2622,  
0.2336

# Harmonies

## Analogous

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



34.7419, 0.4069, 0.4119



34.7419, 0.3625, 0.4324



34.7419, 0.3070, 0.4202

# Triad

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



34.7419, 0.3625, 0.4324



34.7419, 0.2106, 0.2696



34.7419, 0.3681, 0.2876

# Complementary

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



34.7419, 0.3625, 0.4324



14.3946, 0.2483, 0.2086

# 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.



34.7419, 0.3101, 0.2563



34.7419, 0.3625, 0.4324



34.7419, 0.2232, 0.2441

# Square

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



34.7419, 0.3625, 0.4324



34.7419, 0.2217, 0.3165



34.7419, 0.2579, 0.2405



34.7419, 0.4123, 0.3288



# Rectangle

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



34.7419, 0.3625, 0.4324



34.7419, 0.2715, 0.3925



34.7419, 0.2579, 0.2405



34.7419, 0.3492, 0.2757

# Sweetspot

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



34.7435, 0.3625, 0.4324



65.6077, 0.3276, 0.3587



19.1856, 0.4091, 0.3436



14.3071, 0.3291, 0.3618



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



34.7435, 0.3625, 0.4324



61.4047, 0.3716, 0.4532



31.9110, 0.3293, 0.4447



8.1840, 0.3240, 0.3514



24.6343, 0.3940, 0.5254



0.5311, 0.4038, 0.5176



# Inverse Universe

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



14.3946, 0.2483, 0.2086



20.1949, 0.2317, 0.1794



16.8480, 0.2864, 0.2204



6.9078, 0.3009, 0.3059



2.2197, 0.1571, 0.0639



0.0602, 0.1828, 0.0781



# Previews

## White Background



This preview shows how the Yxy color 34.7419, 0.3625, 0.4324 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 34.7419, 0.3625, 0.4324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

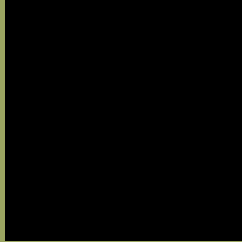
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.7419, 0.3625, 0.4324**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.7419, 0.3625, 0.4324.



This preview shows how white text looks on a background with the Yxy color 34.7419, 0.3625, 0.4324.

# 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

34.7419, 0.3625, 0.4324

### Protanopia

34.6212, 0.3875, 0.4203

### Deuteranopia

34.5830, 0.4067, 0.3988



## Tritanopia

34.8710, 0.3087, 0.3118

# Trichromacy



**Original Color**

34.7419, 0.3625, 0.4324

**Protanomaly**

34.5498, 0.3780, 0.4242

**Deuteranomaly**

34.5985, 0.3905, 0.4107

**Tritanomaly**

34.7018, 0.3291, 0.3544

# Monochromacy



**Original Color**

34.7419, 0.3625, 0.4324

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

33.0172, 0.3317, 0.3677

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.7419, 0.3625, 0.4324 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(155, 165, 97)` looks like.

```
.text, #text, p{  
    color:rgb(155, 165, 97)  
}
```

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(155, 165, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 165, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 34.7419, 0.3625, 0.4324 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(155, 165, 97) }
```

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

```
.border{ border-color:rgb(155, 165, 97) }
```

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

Here you see how a box with a 4 pixel rgb(155, 165, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 165, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 165, 97);  
box-shadow:4px 4px 4px 4px rgb(155, 165,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.7419, 0.3625, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 165, 97) }
```

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

```
.background{ background-color: rgb(155,  
165, 97) }
```

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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