

# Converting Colors

$Yxy(33.8368, 0.3070, 0.4215)$

Have a look what the booklet for  
Yxy(33.8368, 0.3070, 0.4215)  
contains.

<b>Yxy(33.9642, 0.3067, 0.4224)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(33.9642, 0.3067, 0.4224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72AB74
RGB	114, 171, 116
RGB Percent	45%, 67%, 45%
CMY	0.5527, 0.3294, 0.5450
CMYK	0.33, 0.00, 0.32, 0.33
HSL	122°, 25%, 56%
HSV	122°, 33%, 67%
XYZ	24.6610, 33.9642, 21.7824
YIQ	147.6870, -16.3170, -29.1890

# Conversions

## Conversions Part 2

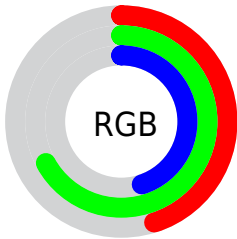
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 169, 171
Decimal	7514996
CIELab	64.93, -29.95, 22.57
CIElCh	65, 37.502, 142.998
Yxy	33.9642, 0.3067, 0.4224
Android (android.graphics.Color)	4285705076 (0xFF72AB74)
YUV	147.6870, -15.6217, -29.5435
Hunter-Lab	58.2788, -26.4546, 18.6348

# Details

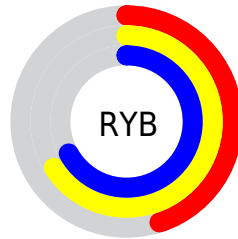
The Yxy color **33.9642, 0.3067, 0.4224** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.5714, 0.3187, 0.2505**, and the grayscale version is **29.5547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0902, 0.3092, 0.4032**, and **14.4189, 0.3024, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **32.5726, 0.3048, 0.4562**, and if you desaturate by 10%, it is **35.6413, 0.3086, 0.3908**.

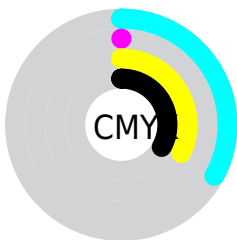
# Distribution



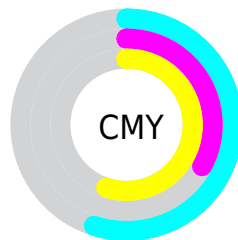
- Red (45%)
- Green (67%)
- Blue (45%)



- Red (45%)
- Yellow (66%)
- Blue (67%)



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)




- Cyan (55%)
- Magenta (33%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9642, 0.3067, 0.4224 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 33.9642, 0.3067, 0.4224 by changing the saturation by 10% instead.





 33.9642, 0.3067,  
0.4224


 33.9642, 0.3067,  
0.4224


319.9724, 0.3112,  
0.3708


 22.8661, 0.3049,  
0.4371


 65.8780, 0.3088,  
0.4024

 14.4947, 0.3021,  
0.4570


 87.4625, 0.3094,  
0.3953

 8.4655, 0.2973,  
0.4857


 113.3112, 0.3099,  
0.3894

 4.3942, 0.2883,  
0.5300

143.8086, 0.3103,  
0.3845

 1.8964, 0.2840,  
0.6409

179.3390, 0.3106,  
0.3803

 0.5462, 0.0000,  
1.0000


220.2868, 0.3108,


 0.0000, 0.0000,

0.3767


0.0000

267.0365, 0.3110,  
0.3736


 33.9642, 0.3067,  
0.4224

 33.9642, 0.3067,  
0.4224


 32.5726, 0.3048,  
0.4562


 35.6413, 0.3086,  
0.3908


 31.4467, 0.3030,  
0.4906


 37.6141, 0.3105,  
0.3621

 30.5708, 0.3014,  
0.5238


 39.8974, 0.3122,  
0.3367


 29.9259, 0.3003,  
0.5531


 42.5038, 0.3138,  
0.3144

 29.4902, 0.2996,  
0.5762

 45.4452, 0.3152,  
0.2952

 29.2375, 0.2995,  
0.5914

 48.7329, 0.3164,  
0.2786

 29.1358, 0.2993,  
0.5976

 52.3776, 0.3176,  
0.2643

 56.3896, 0.3186,  
0.2521

 57.6029, 0.3166,  
0.2469

# Harmonies

## Analogous

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



33.9642, 0.3634, 0.4348



33.9642, 0.3067, 0.4224



33.9642, 0.2544, 0.3755

# Triad

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



33.9642, 0.3067, 0.4224



33.9642, 0.2214, 0.2423



33.9642, 0.4147, 0.3287

# Complementary

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



33.9642, 0.3067, 0.4224



23.5714, 0.3187, 0.2505

# 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.



33.9642, 0.3694, 0.2867



33.9642, 0.3067, 0.4224



33.9642, 0.2567, 0.2387

# Square

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



33.9642, 0.3067, 0.4224



33.9642, 0.2086, 0.2682



33.9642, 0.3101, 0.2548



33.9642, 0.4289, 0.3739



# Rectangle

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



33.9642, 0.3067, 0.4224



33.9642, 0.2288, 0.3355



33.9642, 0.3101, 0.2548



33.9642, 0.4024, 0.3140

# Sweetspot

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



33.9656, 0.3067, 0.4224



68.5863, 0.3110, 0.3538



38.7847, 0.3600, 0.4108



15.1750, 0.3108, 0.3574



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.



33.9656, 0.3067, 0.4224



58.9403, 0.3053, 0.4473



34.7310, 0.2852, 0.3728



8.9436, 0.3112, 0.3516



21.9679, 0.2992, 0.5972



0.6125, 0.2959, 0.5852



# Inverse Universe

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



23.5714, 0.3187, 0.2505



37.4154, 0.3201, 0.2338



22.6174, 0.3530, 0.2893



8.1433, 0.3143, 0.3074



8.5801, 0.3295, 0.1589



0.2401, 0.3267, 0.1573



# Previews

## White Background



This preview shows how the Yxy color 33.9642, 0.3067, 0.4224 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 33.9642, 0.3067, 0.4224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

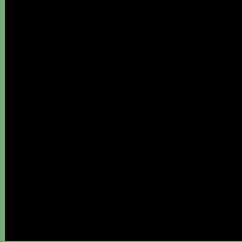
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.9642, 0.3067, 0.4224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 33.9642, 0.3067, 0.4224.



This preview shows how white text looks on a background with the Yxy color 33.9642, 0.3067, 0.4224.

# 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

33.9642, 0.3067, 0.4224

### Protanopia

33.6747, 0.3696, 0.3985

### Deuteranopia

33.6796, 0.3787, 0.3727



## Tritanopia

33.6889, 0.2694, 0.3088

# Trichromacy



## Original Color

33.9642, 0.3067, 0.4224

## Protanomaly

33.4001, 0.3447, 0.4077

## Deuteranomaly

33.1566, 0.3500, 0.3887

## Tritanomaly

33.6705, 0.2830, 0.3484

# Monochromacy



## Original Color

33.9642, 0.3067, 0.4224

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

30.7887, 0.3112, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9642, 0.3067, 0.4224 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(114, 171, 116)` looks like.

```
.text, #text, p{  
    color:rgb(114, 171, 116)  
}
```

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(114, 171, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 171, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9642, 0.3067, 0.4224 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(114, 171, 116) }
```

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

```
.border{ border-color:rgb(114, 171, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 171, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 171, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 171, 116);  
box-shadow:4px 4px 4px 4px rgb(114, 171,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9642, 0.3067, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 171, 116) }
```

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

```
.background{ background-color: rgb(114,  
171, 116) }
```

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