

# Converting Colors

$Yxy(35.3238, 0.3468, 0.4195)$

Have a look what the booklet for  
Yxy(35.3238, 0.3468, 0.4195)  
contains.

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# Color

**Yxy(35.2256, 0.3466, 0.4188)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	96A76D
RGB	150, 167, 109
RGB Percent	59%, 65%, 43%
CMY	0.4119, 0.3451, 0.5725
CMYK	0.10, 0.00, 0.35, 0.35
HSL	78°, 25%, 54%
HSV	78°, 35%, 65%
XYZ	29.1528, 35.2256, 19.7324
YIQ	155.3050, 8.4860, -21.6420

# Conversions

## Conversions Part 2

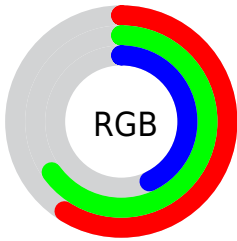
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 167, 126</a>
Decimal	<a href="#">9873261</a>
CIELab	<a href="#">65.92, -15.92, 28.07</a>
CIELCh	<a href="#">66, 32.270, 119.566</a>
Yxy	<a href="#">35.2256, 0.3466, 0.4188</a>
Android (android.graphics.Color)	<a href="#">4288063341 (0xFF96A76D)</a>
YUV	<a href="#">155.3050, -22.8284, -4.6525</a>
Hunter-Lab	<a href="#">59.3512, -16.1868, 21.8338</a>

# Details

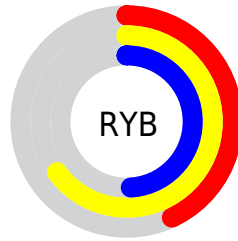
The Yxy color **35.2256, 0.3466, 0.4188** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1688, 0.2693, 0.2324**, and the grayscale version is **33.0197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7949, 0.3410, 0.4005**, and **15.1844, 0.3551, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **34.4452, 0.3552, 0.4456**, and if you desaturate by 10%, it is **36.0969, 0.3372, 0.3918**.

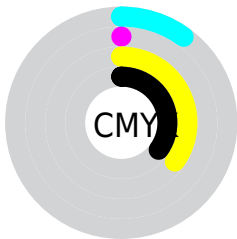
# Distribution



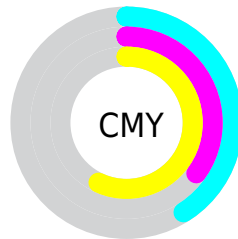
- Red (59%)
- Green (65%)
- Blue (43%)



- Red (43%)
- Yellow (65%)
- Blue (49%)



- Cyan (10%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)



- Cyan (41%)
- Magenta (35%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2256, 0.3466, 0.4188 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 35.2256, 0.3466, 0.4188 by changing the saturation by 10% instead.





 35.2256, 0.3466,  
0.4188


 35.2256, 0.3466,  
0.4188


325.5630, 0.3300,  
0.3706


 23.8367, 0.3504,  
0.4319


 67.8351, 0.3408,  
0.4005


 15.2125, 0.3550,  
0.4492


 89.8245, 0.3385,  
0.3939

 8.9687, 0.3603,  
0.4731


 116.1162, 0.3366,  
0.3884

 4.7208, 0.3659,  
0.5076

 147.0946, 0.3349,  
0.3837

 2.0844, 0.3966,  
0.6034

183.1441, 0.3334,  
0.3797

 0.6558, 0.2635,  
0.7365

224.6491, 0.3322,

 0.0000, 0.0000,

0.3763

0.0000

271.9939, 0.3310,  
0.3732

■ 35.2256, 0.3466,  
0.4188

■ 35.2256, 0.3466,  
0.4188

■ 34.4452, 0.3552,  
0.4456

■ 36.0969, 0.3372,  
0.3918

■ 33.7470, 0.3624,  
0.4712

■ 37.0583, 0.3273,  
0.3655

■ 33.1281, 0.3678,  
0.4945


■ 38.1150, 0.3174,  
0.3403

■ 32.5833, 0.3710,  
0.5144


■ 39.2701, 0.3076,  
0.3168

■ 32.1069, 0.3717,  
0.5299

■ 40.5270, 0.2983,  
0.2951


 31.6919, 0.3701,  
0.5408

 41.8886, 0.2895,  
0.2753

 31.4892, 0.3687,  
0.5455

 43.3578, 0.2812,  
0.2573

 44.9373, 0.2735,  
0.2411

 46.3485, 0.2691,  
0.2304

# Harmonies

## Analogous

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



35.2256, 0.3884, 0.4077



35.2256, 0.3466, 0.4188



35.2256, 0.2977, 0.4007

# Triad

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



35.2256, 0.3466, 0.4188



35.2256, 0.2233, 0.2709



35.2256, 0.3710, 0.3003

# Complementary

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



35.2256, 0.3466, 0.4188



18.1688, 0.2693, 0.2324

# 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.



35.2256, 0.3220, 0.2699



35.2256, 0.3466, 0.4188



35.2256, 0.2391, 0.2521

# Square

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



35.2256, 0.3466, 0.4188



35.2256, 0.2287, 0.3085



35.2256, 0.2739, 0.2525



35.2256, 0.4044, 0.3383



# Rectangle

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



35.2256, 0.3466, 0.4188



35.2256, 0.2678, 0.3737



35.2256, 0.2739, 0.2525



35.2256, 0.3556, 0.2890

# Sweetspot

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



35.2272, 0.3466, 0.4188



67.1982, 0.3228, 0.3538



24.1005, 0.3840, 0.3547



14.9811, 0.3241, 0.3573



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.



35.2272, 0.3466, 0.4188



61.9435, 0.3536, 0.4404



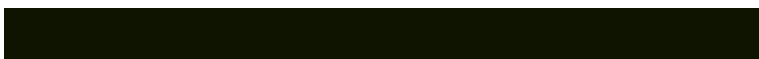
32.8526, 0.3191, 0.4271



8.6615, 0.3219, 0.3516



24.1183, 0.3692, 0.5451



0.6112, 0.3866, 0.5313



# Inverse Universe

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



18.1688, 0.2693, 0.2324



26.5657, 0.2567, 0.2069



20.6431, 0.3018, 0.2409



7.4034, 0.3030, 0.3060



2.6584, 0.1709, 0.0715



0.0906, 0.2085, 0.0922



# Previews

## White Background



This preview shows how the Yxy color 35.2256, 0.3466, 0.4188 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 35.2256, 0.3466, 0.4188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

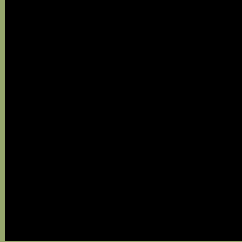
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.2256, 0.3466, 0.4188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.2256, 0.3466, 0.4188.



This preview shows how white text looks on a background with the Yxy color 35.2256, 0.3466, 0.4188.

# 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

35.2256, 0.3466, 0.4188

### Protanopia

35.1809, 0.3771, 0.4066

### Deuteranopia

34.8995, 0.3922, 0.3850



## Tritanopia

35.0439, 0.3004, 0.3101

# Trichromacy



## Original Color

35.2256, 0.3466, 0.4188

## Protanomaly

35.2553, 0.3653, 0.4119

## Deuteranomaly

34.7154, 0.3746, 0.3967

## Tritanomaly

34.9791, 0.3175, 0.3486

# Monochromacy



## Original Color

35.2256, 0.3466, 0.4188

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

33.4036, 0.3259, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  35.2256, 0.3466, 0.4188 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(150, 167, 109)` looks like.

```
.text, #text, p{  
    color:rgb(150, 167, 109)  
}
```

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(150, 167, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 167, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 35.2256, 0.3466, 0.4188 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(150, 167, 109) }
```

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

```
.border{ border-color:rgb(150, 167, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 167, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 167, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 167, 109);  
box-shadow:4px 4px 4px 4px rgb(150, 167,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.2256, 0.3466, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 167, 109) }
```

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

```
.background{ background-color: rgb(150,  
167, 109) }
```

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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