

# Converting Colors

$Y_{xy}(28.1233, 0.3360, 0.4015)$

Have a look what the booklet for  
Yxy(28.1233, 0.3360, 0.4015)  
contains.

<b>Yxy(27.9637, 0.3361, 0.4009)</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(27.9637, 0.3361, 0.4009)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86966C
RGB	134, 150, 108
RGB Percent	53%, 59%, 42%
CMY	0.4745, 0.4117, 0.5765
CMYK	0.11, 0.00, 0.28, 0.41
HSL	83°, 17%, 51%
HSV	83°, 28%, 59%
XYZ	23.4438, 27.9637, 18.3449
YIQ	140.4280, 3.9460, -16.4540

# Conversions

## Conversions Part 2

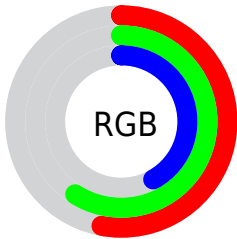
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 150, 124
Decimal	8820332
CIELab	59.86, -13.40, 20.32
CIElCh	60, 24.342, 123.391
Yxy	27.9637, 0.3361, 0.4009
Android (android.graphics.Color)	4287010412 (0xFF86966C)
YUV	140.4280, -15.9870, -5.6374
Hunter-Lab	52.8807, -13.4064, 16.4482

# Details

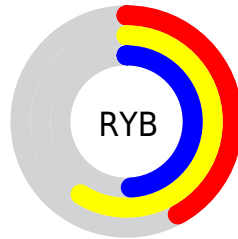
The Yxy color  $27.9637, 0.3361, 0.4009$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $17.2087, 0.2839, 0.2547$ , and the grayscale version is  $26.4631, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $56.4152, 0.3319, 0.3846$ , and  $11.1347, 0.3433, 0.4279$  is the 20% darker color. If you saturate the color by 10%, you get  $27.2156, 0.3437, 0.4286$ , and if you desaturate by 10%, it is  $28.7945, 0.3279, 0.3739$ .

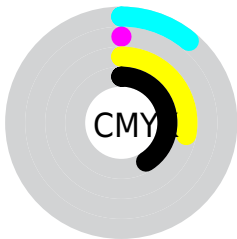
# Distribution



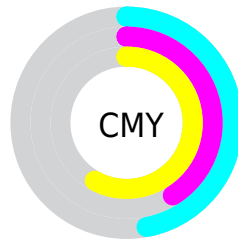
- Red (53%)
- Green (59%)
- Blue (42%)



- Red (42%)
- Yellow (59%)
- Blue (49%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (41%)




- Cyan (47%)
- Magenta (41%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9637, 0.3361, 0.4009 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 27.9637, 0.3361, 0.4009 by changing the saturation by 10% instead.




 27.9637, 0.3361,  
0.4009


 27.9637, 0.3361,  
0.4009


292.2934, 0.3241,  
0.3609


 18.2983, 0.3391,  
0.4124


 56.4265, 0.3317,  
0.3853

 11.1644, 0.3428,  
0.4282


 75.9927, 0.3301,  
0.3798

 6.1775, 0.3474,  
0.4512

 99.6279, 0.3287,  
0.3752

 2.9533, 0.3526,  
0.4870

 127.7165, 0.3275,  
0.3714

 1.1074, 0.3907,  
0.6093

160.6430, 0.3265,  
0.3682

 0.0000, 0.0000,  
0.0000

198.7917, 0.3256,

0.3654

242.5471, 0.3248,  
0.3630

■ 27.9637, 0.3361,  
0.4009

■ 27.9637, 0.3361,  
0.4009

■ 27.2156, 0.3437,  
0.4286

■ 28.7945, 0.3279,  
0.3739

■ 26.5435, 0.3504,  
0.4562

■ 29.7075, 0.3194,  
0.3483

■ 25.9450, 0.3556,  
0.4826

■ 30.7066, 0.3111,  
0.3244

■ 25.4163, 0.3590,  
0.5065

■ 31.7945, 0.3029,  
0.3024

■ 24.9533, 0.3601,  
0.5268

■ 32.9738, 0.2952,  
0.2823

■ 24.5510, 0.3589,  
0.5426

■ 34.2469, 0.2878,  
0.2642

■ 24.2005, 0.3558,  
0.5541

■ 35.6162, 0.2810,  
0.2479

■ 24.1344, 0.3551,  
0.5562

■ 37.0838, 0.2746,  
0.2332

■ 38.6520, 0.2687,  
0.2201

# Harmonies

## Analogous

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



27.9637, 0.3714, 0.3959



27.9637, 0.3361, 0.4009



27.9637, 0.2960, 0.3829

# Triad

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



27.9637, 0.3361, 0.4009



27.9637, 0.2394, 0.2788



27.9637, 0.3647, 0.3094

# Complementary

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



27.9637, 0.3361, 0.4009



17.2087, 0.2839, 0.2547

# 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.



27.9637, 0.3260, 0.2827



27.9637, 0.3361, 0.4009



27.9637, 0.2549, 0.2647

# Square

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



27.9637, 0.3361, 0.4009



27.9637, 0.2418, 0.3084



27.9637, 0.2858, 0.2666



27.9637, 0.3892, 0.3417



# Rectangle

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



27.9637, 0.3361, 0.4009



27.9637, 0.2720, 0.3603



27.9637, 0.2858, 0.2666



27.9637, 0.3527, 0.2996

# Sweetspot

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



27.9649, 0.3361, 0.4009



52.3988, 0.3196, 0.3487



21.8305, 0.3647, 0.3552



11.5605, 0.3207, 0.3521



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



27.9649, 0.3361, 0.4009



48.4526, 0.3413, 0.4193



26.4466, 0.3146, 0.4059



6.6354, 0.3204, 0.3512



20.0338, 0.3556, 0.5559



0.2622, 0.3853, 0.5323



# Inverse Universe

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



17.2087, 0.2839, 0.2547



26.0735, 0.2754, 0.2349



18.8899, 0.3089, 0.2600



5.7342, 0.3045, 0.3065



2.5685, 0.1837, 0.0786



0.0474, 0.2330, 0.1057



# Previews

## White Background



This preview shows how the Yxy color 27.9637, 0.3361, 0.4009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9637, 0.3361, 0.4009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

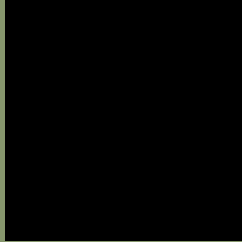
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.9637, 0.3361, 0.4009**

## Background



This preview shows how black text looks on a background with the Yxy color 27.9637, 0.3361, 0.4009.



This preview shows how white text looks on a background with the Yxy color 27.9637, 0.3361, 0.4009.

# 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

27.9637, 0.3361, 0.4009

### Protanopia

27.9350, 0.3649, 0.3915

### Deuteranopia

27.7378, 0.3788, 0.3717



## Tritanopia

27.9758, 0.2991, 0.3114

# Trichromacy



## Original Color

27.9637, 0.3361, 0.4009

## Protanomaly

27.8014, 0.3539, 0.3949

## Deuteranomaly

27.5180, 0.3628, 0.3819

## Tritanomaly

27.7960, 0.3121, 0.3422

# Monochromacy



## Original Color

27.9637, 0.3361, 0.4009

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

26.9083, 0.3221, 0.3560

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.9637, 0.3361, 0.4009 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(134, 150, 108)` looks like.

```
.text, #text, p{  
    color:rgb(134, 150, 108)  
}
```

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(134, 150, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 150, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 27.9637, 0.3361, 0.4009 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(134, 150, 108) }
```

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

```
.border{ border-color:rgb(134, 150, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 150, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 150, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 150, 108);  
box-shadow:4px 4px 4px 4px rgb(134, 150,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.9637, 0.3361, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 150, 108) }
```

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

```
.background{ background-color: rgb(134,  
150, 108) }
```

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