

# Converting Colors

$Yxy(31.1880, 0.3345, 0.3279)$

Have a look what the booklet for  
Yxy(31.1880, 0.3345, 0.3279)  
contains.

<b>Yxy(31.2989, 0.3348, 0.3291)</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(31.2989, 0.3348, 0.3291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A89393
RGB	168, 147, 147
RGB Percent	66%, 58%, 58%
CMY	0.3414, 0.4234, 0.4235
CMYK	0.00, 0.12, 0.12, 0.34
HSL	0°, 11%, 62%
HSV	0°, 12%, 66%
XYZ	31.8410, 31.2989, 31.9646
YIQ	153.2790, 12.5160, 4.4520

# Conversions

## Conversions Part 2

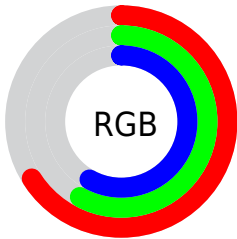
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 147, 147
Decimal	11047827
CIE Lab	62.76, 7.78, 2.87
CIE LCh	63, 8.291, 20.242
Yxy	31.2989, 0.3348, 0.3291
Android (android.graphics.Color)	4289237907 (0xFFA89393)
YUV	153.2790, -3.0955, 12.9103
Hunter-Lab	55.9454, 3.6877, 5.2862

# Details

The Yxy color  $31.2989, 0.3348, 0.3291$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $37.0071, 0.2940, 0.3289$ , and the grayscale version is  $31.9914, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $61.6783, 0.3300, 0.3291$ , and  $12.9418, 0.3422, 0.3270$  is the 20% darker color. If you saturate the color by 10%, you get  $25.9677, 0.3575, 0.3292$ , and if you desaturate by 10%, it is  $37.4706, 0.3166, 0.3290$ .

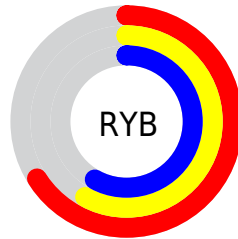
# Distribution



Red (66%)

Green (58%)

Blue (58%)



Red (66%)

Yellow (58%)

Blue (58%)

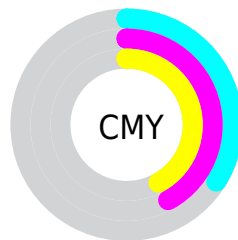


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (34%)



Cyan (34%)

Magenta (42%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2989, 0.3348, 0.3291 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 31.2989, 0.3348, 0.3291 by changing the saturation by 10% instead.





 31.2989, 0.3348,  
0.3291


 31.2989, 0.3348,  
0.3291


307.9130, 0.3230,  
0.3291

 20.8266, 0.3380,  
0.3291


 61.7104, 0.3303,  
0.3291

 12.9973, 0.3424,  
0.3290


 82.4183, 0.3287,  
0.3291

 7.4267, 0.3485,  
0.3288


107.3068, 0.3273,  
0.3291

 3.7303, 0.3579,  
0.3285

136.7604, 0.3262,  
0.3291

 1.5239, 0.3739,  
0.3277

171.1634, 0.3252,  
0.3291

 0.3055, 0.5233,  
0.3328


210.9002, 0.3244,


 0.0000, 0.0000,

0.3291


0.0000


256.3553, 0.3236,  
0.3291


 31.2989, 0.3348,  
0.3291


 31.2989, 0.3348,  
0.3291

 25.9677, 0.3575,  
0.3292


 37.4706, 0.3166,  
0.3290

 21.4369, 0.3856,  
0.3293


 44.5127, 0.3021,  
0.3289


 17.6690, 0.4200,  
0.3295

 52.4585, 0.2903,  
0.3289

 14.6220, 0.4608,  
0.3296

 61.3384, 0.2808,  
0.3288

 12.2501, 0.5067,  
0.3297

 71.1816, 0.2730,  
0.3288

■ 10.5020, 0.5537,  
0.3299

■ 82.0156, 0.2666,  
0.3288

■ 9.3189, 0.5956,  
0.3300

■ 87.0598, 0.2642,  
0.3289

■ 8.6312, 0.6252,  
0.3300

■ 8.3243, 0.6400,  
0.3300

# Harmonies

## Analogous

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



31.2989, 0.3247, 0.3181



31.2989, 0.3348, 0.3291



31.2989, 0.3389, 0.3403

# Triad

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



31.2989, 0.3348, 0.3291



31.2989, 0.3135, 0.3491



31.2989, 0.2901, 0.3090

# Complementary

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



31.2989, 0.3348, 0.3291



37.0071, 0.2940, 0.3289

# 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.



31.2989, 0.2873, 0.3168



31.2989, 0.3348, 0.3291



31.2989, 0.3006, 0.3403

# Square

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



31.2989, 0.3348, 0.3291



31.2989, 0.3264, 0.3523



31.2989, 0.2911, 0.3283



31.2989, 0.2989, 0.3066



# Rectangle

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



31.2989, 0.3348, 0.3291



31.2989, 0.3376, 0.3465



31.2989, 0.2911, 0.3283



31.2989, 0.2884, 0.3111

# Sweetspot

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



31.3003, 0.3348, 0.3291



66.1458, 0.3193, 0.3290



32.0114, 0.3141, 0.2990



14.2312, 0.3205, 0.3290



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.



31.3003, 0.3348, 0.3291



53.9747, 0.3406, 0.3291



34.7013, 0.3328, 0.3443



7.5437, 0.3286, 0.3291



6.2905, 0.6400, 0.3301



0.1535, 0.6394, 0.3305



# Inverse Universe

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



37.0071, 0.2940, 0.3289



66.4190, 0.2900, 0.3289



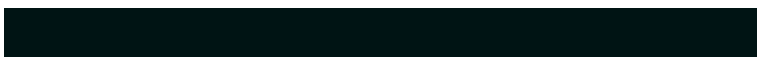
33.3031, 0.2937, 0.3132



8.5305, 0.2987, 0.3289



23.2271, 0.2246, 0.3284



0.5656, 0.2246, 0.3285



# Previews

## White Background



This preview shows how the Yxy color 31.2989, 0.3348, 0.3291 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 31.2989, 0.3348, 0.3291 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 31.2989, 0.3348, 0.3291**

## Background



This preview shows how black text looks on a background with the Yxy color 31.2989, 0.3348, 0.3291.



This preview shows how white text looks on a background with the Yxy color 31.2989, 0.3348, 0.3291.

# 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

31.2989, 0.3348, 0.3291

### Protanopia

31.2717, 0.3187, 0.3321

### Deuteranopia

31.2989, 0.3348, 0.3291



## Tritanopia

31.1201, 0.3261, 0.3116

# Trichromacy



## Original Color

31.2989, 0.3348, 0.3291

## Protanomaly

31.4244, 0.3249, 0.3321

## Deuteranomaly

31.2989, 0.3348, 0.3291

## Tritanomaly

31.2927, 0.3300, 0.3188

# Monochromacy



## Original Color

31.2989, 0.3348, 0.3291

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

31.6367, 0.3198, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.2989, 0.3348, 0.3291 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(168, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(168, 147, 147)  
}
```

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(168, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 147, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 31.2989, 0.3348, 0.3291 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(168, 147, 147) }
```

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

```
.border{ border-color:rgb(168, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(168, 147,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.2989, 0.3348, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 147, 147) }
```

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

```
.background{ background-color: rgb(168,  
147, 147) }
```

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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