

# Converting Colors

$Y_{xy}(40.9675, 0.2980, 0.3280)$

Have a look what the booklet for  
Yxy(40.9675, 0.2980, 0.3280)  
contains.

<b>Yxy(41.0242, 0.2980, 0.3290)</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(41.0242, 0.2980, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EAFAF
RGB	158, 175, 175
RGB Percent	62%, 69%, 69%
CMY	0.3806, 0.3136, 0.3138
CMYK	0.10, 0.00, 0.00, 0.31
HSL	180°, 10%, 65%
HSV	180°, 10%, 69%
XYZ	37.1587, 41.0242, 46.5107
YIQ	169.9170, -10.1320, -3.6040

# Conversions

## Conversions Part 2

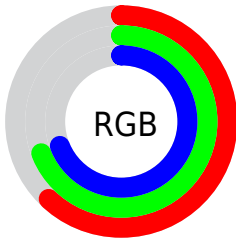
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 167, 175
Decimal	10399663
CIELab	70.19, -5.92, -2.02
CIElCh	70, 6.251, 198.811
Yxy	41.0242, 0.2980, 0.3290
Android (android.graphics.Color)	4288589743 (0xFF9EAF AF)
YUV	169.9170, 2.5059, -10.4512
Hunter-Lab	64.0501, -8.5309, 1.7810

# Details

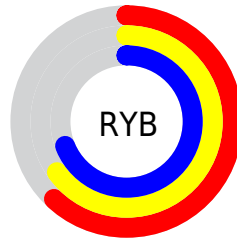
The Yxy color **41.0242, 0.2980, 0.3290** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.0181, 0.3295, 0.3290**, and the grayscale version is **40.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0111, 0.3013, 0.3300**, and **18.7218, 0.2938, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **39.3751, 0.2837, 0.3290**, and if you desaturate by 10%, it is **42.9294, 0.3131, 0.3290**.

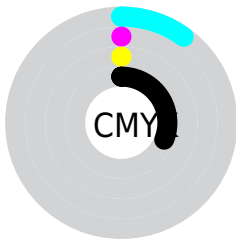
# Distribution



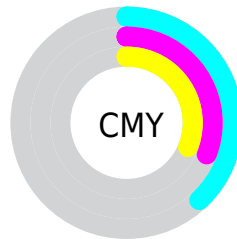
- Red (62%)
- Green (69%)
- Blue (69%)



- Red (62%)
- Yellow (65%)
- Blue (69%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (31%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0242, 0.2980, 0.3290 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 41.0242, 0.2980, 0.3290 by changing the saturation by 10% instead.




 41.0242, 0.2980,  
0.3290

 41.0242, 0.2980,  
0.3290

350.4217, 0.3055,  
0.3290

 28.3380, 0.2961,  
0.3290


 76.7206, 0.3008,  
0.3290

 18.5806, 0.2936,  
0.3289

 100.4996, 0.3018,  
0.3290

 11.3676, 0.2902,  
0.3289


128.7450, 0.3026,  
0.3290

 6.3147, 0.2854,  
0.3287

161.8412, 0.3034,  
0.3290

 3.0374, 0.2780,  
0.3285

200.1726, 0.3040,  
0.3290

 1.1513, 0.2652,  
0.3279

244.1236, 0.3046,

 0.0214, 0.0000,

0.3290

0.1151

294.0785, 0.3051,  
0.3290

0.0000, 0.0000,  
0.0000

41.0242, 0.2980,  
0.3290

41.0242, 0.2980,  
0.3290

39.3751, 0.2837,  
0.3290

42.9294, 0.3131,  
0.3290

37.9665, 0.2706,  
0.3290

45.0957, 0.3287,  
0.3290

36.7885, 0.2588,  
0.3291

47.5342, 0.3446,  
0.3290

35.8289, 0.2487,  
0.3291

50.2538, 0.3605,  
0.3290

35.0744, 0.2403,  
0.3291

53.2632, 0.3762,  
0.3290

■ 34.5098, 0.2338,  
0.3292

■ 55.0306, 0.3846,  
0.3290

■ 34.1184, 0.2292,  
0.3292

■ 55.0319, 0.3846,  
0.3290

■ 33.8801, 0.2264,  
0.3293

■ 55.0332, 0.3846,  
0.3290

■ 33.7537, 0.2248,  
0.3293

■ 55.0345, 0.3846,  
0.3289

# Harmonies

## Analogous

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



41.0242, 0.3048, 0.3371



41.0242, 0.2980, 0.3290



41.0242, 0.2951, 0.3211

# Triad

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



41.0242, 0.2980, 0.3290



41.0242, 0.3115, 0.3156



41.0242, 0.3288, 0.3425

# Complementary

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



41.0242, 0.2980, 0.3290



36.0181, 0.3295, 0.3290

# 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.



41.0242, 0.3307, 0.3366



41.0242, 0.2980, 0.3290



41.0242, 0.3206, 0.3211

# Square

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



41.0242, 0.2980, 0.3290



41.0242, 0.3028, 0.3135



41.0242, 0.3276, 0.3288



41.0242, 0.3226, 0.3450



# Rectangle

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



41.0242, 0.2980, 0.3290



41.0242, 0.2958, 0.3169



41.0242, 0.3276, 0.3288



41.0242, 0.3299, 0.3409

# Sweetspot

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



41.0259, 0.2980, 0.3290



75.6911, 0.3080, 0.3290



40.4268, 0.3118, 0.3536



16.7617, 0.3068, 0.3290



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



41.0259, 0.2980, 0.3290



72.6915, 0.2944, 0.3290



37.9110, 0.2979, 0.3172



9.0718, 0.2987, 0.3290



24.1639, 0.2248, 0.3293



0.6723, 0.2248, 0.3291



# Inverse Universe

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



36.0181, 0.3295, 0.3290



61.6592, 0.3343, 0.3290



38.9270, 0.3283, 0.3405



8.0156, 0.3286, 0.3290



6.5274, 0.6398, 0.3298



0.1817, 0.6387, 0.3292



# Previews

## White Background



This preview shows how the Yxy color 41.0242, 0.2980, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

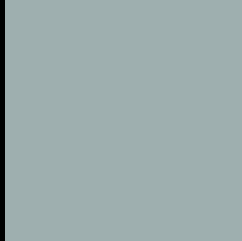
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0242, 0.2980, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

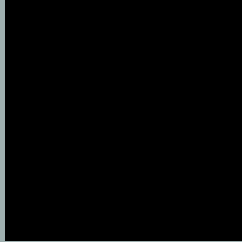
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

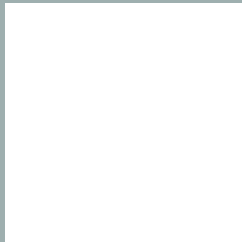
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.0242, 0.2980, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0242, 0.2980, 0.3290.

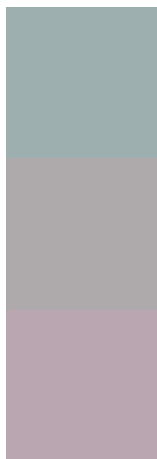


This preview shows how white text looks on a background with the Yxy color 41.0242, 0.2980, 0.3290.

# 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

41.0242, 0.2980, 0.3290

### Protanopia

40.7267, 0.3147, 0.3263

### Deuteranopia

40.7610, 0.3208, 0.3145



## Tritanopia

40.9486, 0.2904, 0.3096

# Trichromacy



## Original Color

41.0242, 0.2980, 0.3290

## Protanomaly

40.8470, 0.3083, 0.3276

## Deuteranomaly

40.6245, 0.3123, 0.3195

## Tritanomaly

41.0619, 0.2927, 0.3164

# Monochromacy



## Original Color

41.0242, 0.2980, 0.3290

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.5906, 0.3074, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0242, 0.2980, 0.3290 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(158, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(158, 175, 175)  
}
```

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(158, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 175, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0242, 0.2980, 0.3290 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(158, 175, 175) }
```

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

```
.border{ border-color:rgb(158, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(158, 175,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0242, 0.2980, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 175, 175) }
```

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

```
.background{ background-color: rgb(158,  
175, 175) }
```

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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