

# Converting Colors

$Y_{xy}(41.4990, 0.2946, 0.3232)$

Have a look what the booklet for  
Yxy(41.4990, 0.2946, 0.3232)  
contains.

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# Color

**Yxy(41.6151, 0.2942, 0.3234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EB0B4
RGB	158, 176, 180
RGB Percent	62%, 69%, 71%
CMY	0.3805, 0.3097, 0.2942
CMYK	0.12, 0.02, 0.00, 0.29
HSL	191°, 13%, 66%
HSV	191°, 12%, 71%
XYZ	37.8576, 41.6151, 49.2072
YIQ	171.0740, -12.0120, -2.5720

# Conversions

## Conversions Part 2

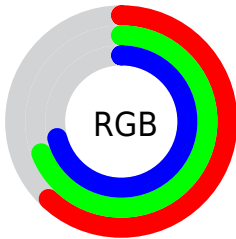
Format	Color
R <sub>Y</sub> B	158, 168, 180
Decimal	10399924
CIE Lab	70.60, -5.41, -4.16
CIE LCh	71, 6.829, 217.548
Yxy	41.6151, 0.2942, 0.3234
Android (android.graphics.Color)	4288590004 (0xFF9EB0B4)
YUV	171.0740, 4.4005, -11.4659
Hunter-Lab	64.5098, -8.1391, -0.0688

# Details

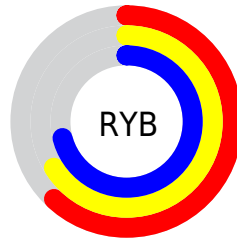
The Yxy color **41.6151, 0.2942, 0.3234** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9866, 0.3337, 0.3345**, and the grayscale version is **40.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9155, 0.2977, 0.3247**, and **19.0118, 0.2886, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **38.6667, 0.2795, 0.3184**, and if you desaturate by 10%, it is **44.8647, 0.3093, 0.3280**.

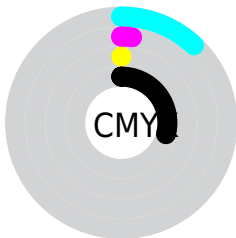
# Distribution



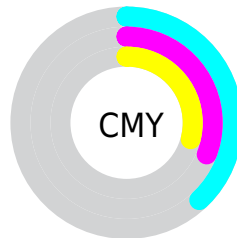
- Red (62%)
- Green (69%)
- Blue (71%)



- Red (62%)
- Yellow (66%)
- Blue (71%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)




- Cyan (38%)
- Magenta (31%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6151, 0.2942, 0.3234 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 41.6151, 0.2942, 0.3234 by changing the saturation by 10% instead.




 41.6151, 0.2942,  
0.3234


 41.6151, 0.2942,  
0.3234


352.8849, 0.3036,  
0.3263

 28.8000, 0.2918,  
0.3226


 77.6168, 0.2976,  
0.3245

 18.9296, 0.2887,  
0.3216


 101.5721, 0.2989,  
0.3249

 11.6194, 0.2846,  
0.3202


130.0097, 0.3000,  
0.3252

 6.4851, 0.2786,  
0.3182

163.3140, 0.3009,  
0.3255

 3.1422, 0.2696,  
0.3150

201.8692, 0.3017,  
0.3258

 1.2064, 0.2541,  
0.3091

246.0598, 0.3024,

 0.0669, 0.0000,

0.3260

0.1554

296.2703, 0.3030,  
0.3262

0.0000, 0.0000,  
0.0000

41.6151, 0.2942,  
0.3234

41.6151, 0.2942,  
0.3234

38.6667, 0.2795,  
0.3184

44.8647, 0.3093,  
0.3280

36.0025, 0.2655,  
0.3129

48.4212, 0.3246,  
0.3322

33.6115, 0.2525,  
0.3071

52.2971, 0.3397,  
0.3360

31.4801, 0.2407,  
0.3010

56.5020, 0.3546,  
0.3393

29.5934, 0.2306,  
0.2947

61.0457, 0.3691,  
0.3423

■ 27.9346, 0.2222,  
0.2883

■ 63.7993, 0.3740,  
0.3453

■ 26.4846, 0.2157,  
0.2818

■ 65.2735, 0.3731,  
0.3487

■ 25.2208, 0.2111,  
0.2754

■ 66.7795, 0.3721,  
0.3520

■ 24.3315, 0.2085,  
0.2705

■ 68.3175, 0.3711,  
0.3553

# Harmonies

## Analogous

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



41.6151, 0.2991, 0.3324



41.6151, 0.2942, 0.3234



41.6151, 0.2942, 0.3161

# Triad

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



41.6151, 0.2942, 0.3234



41.6151, 0.3177, 0.3178



41.6151, 0.3264, 0.3459

# Complementary

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



41.6151, 0.2942, 0.3234



37.9866, 0.3337, 0.3345

# 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.



41.6151, 0.3316, 0.3416



41.6151, 0.2942, 0.3234



41.6151, 0.3265, 0.3255

# Square

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



41.6151, 0.2942, 0.3234



41.6151, 0.3076, 0.3131



41.6151, 0.3316, 0.3341



41.6151, 0.3176, 0.3456



# Rectangle

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



41.6151, 0.2942, 0.3234



41.6151, 0.2970, 0.3132



41.6151, 0.3316, 0.3341



41.6151, 0.3286, 0.3449

# Sweetspot

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



41.6168, 0.2942, 0.3234



80.2435, 0.3065, 0.3272



42.4970, 0.3084, 0.3551



17.2461, 0.3054, 0.3269



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



41.6168, 0.2942, 0.3234



73.8020, 0.2897, 0.3219



37.5812, 0.2939, 0.3081



9.3659, 0.2986, 0.3248



17.0748, 0.2087, 0.2712



0.6052, 0.2136, 0.2890



# Inverse Universe

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



37.2791, 0.3177, 0.3046



64.2457, 0.3190, 0.2984



41.9196, 0.3319, 0.3490



8.6199, 0.3164, 0.3105



8.2638, 0.3717, 0.1821



0.2669, 0.3552, 0.1731



# Previews

## White Background



This preview shows how the Yxy color 41.6151, 0.2942, 0.3234 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

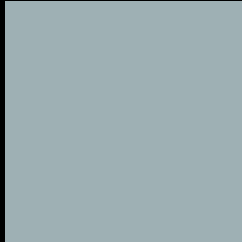
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6151, 0.2942, 0.3234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

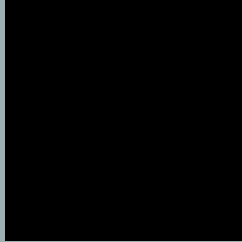
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

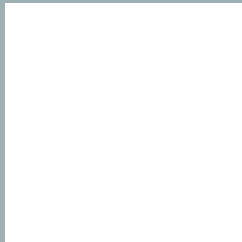
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.6151, 0.2942, 0.3234**

## Background



This preview shows how black text looks on a background with the Yxy color 41.6151, 0.2942, 0.3234.



This preview shows how white text looks on a background with the Yxy color 41.6151, 0.2942, 0.3234.

# 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

41.6151, 0.2942, 0.3234

### Protanopia

41.6780, 0.3104, 0.3222

### Deuteranopia

41.3291, 0.3164, 0.3093



## Tritanopia

41.7050, 0.2882, 0.3097

# Trichromacy



## Original Color

41.6151, 0.2942, 0.3234

## Protanomaly

41.4263, 0.3042, 0.3221

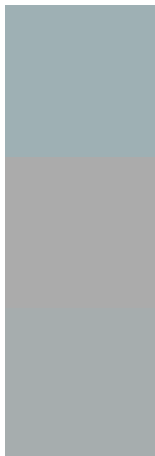
## Deuteranomaly

41.1996, 0.3080, 0.3142

## Tritanomaly

41.5760, 0.2905, 0.3137

# Monochromacy



## Original Color

41.6151, 0.2942, 0.3234

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.0501, 0.3057, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6151, 0.2942, 0.3234 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, 176, 180)` looks like.

```
.text, #text, p{  
    color:rgb(158, 176, 180)  
}
```

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, 176, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6151, 0.2942, 0.3234 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, 176, 180) }
```

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

```
.border{ border-color:rgb(158, 176, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 176, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 176, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 176, 180);  
box-shadow:4px 4px 4px 4px rgb(158, 176,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6151, 0.2942, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 180) }
```

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

```
.background{ background-color: rgb(158,  
176, 180) }
```

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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