

# Converting Colors

$Yxy(44.4138, 0.3016, 0.3140)$

Have a look what the booklet for  
Yxy(44.4138, 0.3016, 0.3140)  
contains.

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# Color

**Yxy(44.2324, 0.3015, 0.3131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFB1BD
RGB	175, 177, 189
RGB Percent	69%, 69%, 74%
CMY	0.3136, 0.3059, 0.2588
CMYK	0.07, 0.06, 0.00, 0.26
HSL	232°, 10%, 71%
HSV	232°, 7%, 74%
XYZ	42.5936, 44.2324, 54.4464
YIQ	177.7700, -5.0440, 3.3080

# Conversions

## Conversions Part 2

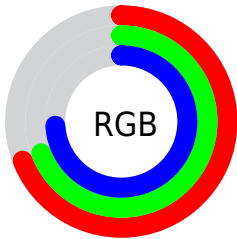
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 177, 189
Decimal	11514301
CIE Lab	72.38, 1.66, -6.36
CIE LCh	72, 6.573, 284.632
Yxy	44.2324, 0.3015, 0.3131
Android (android.graphics.Color)	4289704381 (0xFFAFB1BD)
YUV	177.7700, 5.5364, -2.4293
Hunter-Lab	66.5074, -2.0705, -1.9826

# Details

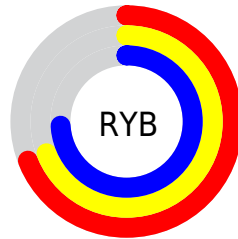
The Yxy color  $44.2324, 0.3015, 0.3131$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $49.4837, 0.3238, 0.3444$ , and the grayscale version is  $44.3690, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.8593, 0.3040, 0.3167$ , and  $20.4038, 0.2984, 0.3072$  is the 20% darker color. If you saturate the color by 10%, you get  $36.1542, 0.2849, 0.2892$ , and if you desaturate by 10%, it is  $53.3854, 0.3164, 0.3342$ .

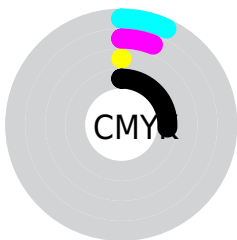
# Distribution



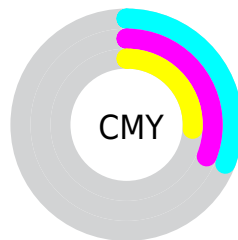
- Red (69%)
- Green (69%)
- Blue (74%)



- Red (69%)
- Yellow (69%)
- Blue (74%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (26%)



- Cyan (31%)
- Magenta (31%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2324, 0.3015, 0.3131 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 44.2324, 0.3015, 0.3131 by changing the saturation by 10% instead.



■ 44.2324, 0.3015,  
0.3131

■ 44.2324, 0.3015,  
0.3131

363.6558, 0.3072,  
0.3211

■ 30.8533, 0.3001,  
0.3111

■ 81.5673, 0.3036,  
0.3160

■ 20.4871, 0.2982,  
0.3085

106.2919, 0.3043,  
0.3171

■ 12.7496, 0.2957,  
0.3051

135.5671, 0.3050,  
0.3180

■ 7.2564, 0.2922,  
0.3002

169.7773, 0.3056,  
0.3188

■ 3.6229, 0.2869,  
0.2930

209.3068, 0.3060,  
0.3195

■ 1.4650, 0.2780,  
0.2809

254.5402, 0.3065,

■ 0.2639, 0.2263,

0.3201

0.2050

305.8617, 0.3068,  
0.3206

0.0000, 0.0000,  
0.0000

44.2324, 0.3015,  
0.3131

44.2324, 0.3015,  
0.3131

36.1542, 0.2849,  
0.2892

53.3854, 0.3164,  
0.3342

29.1058, 0.2668,  
0.2624

63.6449, 0.3298,  
0.3527

23.0473, 0.2475,  
0.2332

75.0483, 0.3415,  
0.3687

17.9340, 0.2275,  
0.2023

87.6296, 0.3519,  
0.3826

13.7176, 0.2078,  
0.1708

96.4549, 0.3520,  
0.3939

■ 10.3458, 0.1896,  
0.1403

■ 7.7605, 0.1740,  
0.1129

■ 5.8961, 0.1622,  
0.0904

■ 4.6709, 0.1546,  
0.0742

# Harmonies

## Analogous

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



44.2324, 0.2959, 0.3157



44.2324, 0.3015, 0.3131



44.2324, 0.3101, 0.3147

# Triad

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



44.2324, 0.3015, 0.3131



44.2324, 0.3310, 0.3357



44.2324, 0.3058, 0.3383

# Complementary

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



44.2324, 0.3015, 0.3131



49.4837, 0.3238, 0.3444

# 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.



44.2324, 0.3151, 0.3439



44.2324, 0.3015, 0.3131



44.2324, 0.3297, 0.3422

# Square

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



44.2324, 0.3015, 0.3131



44.2324, 0.3272, 0.3276



44.2324, 0.3239, 0.3453



44.2324, 0.2984, 0.3302



# Rectangle

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



44.2324, 0.3015, 0.3131



44.2324, 0.3165, 0.3179



44.2324, 0.3239, 0.3453



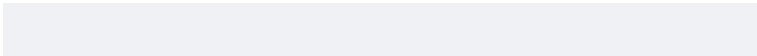
44.2324, 0.3088, 0.3406

# Sweetspot

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



44.2343, 0.3015, 0.3131



87.7567, 0.3097, 0.3248



49.1053, 0.3030, 0.3317



18.9087, 0.3099, 0.3250



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



44.2343, 0.3015, 0.3131



76.5443, 0.2987, 0.3091



44.0431, 0.3057, 0.3107



9.4351, 0.2984, 0.3086



3.0512, 0.1535, 0.0724



0.1898, 0.1632, 0.1073



# Inverse Universe

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



44.6686, 0.3235, 0.3265



77.5109, 0.3263, 0.3259



49.7050, 0.3194, 0.3471



9.5576, 0.3267, 0.3258



7.3377, 0.6193, 0.3186

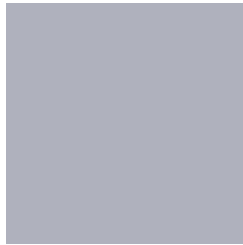


0.2945, 0.5649, 0.2886



# Previews

## White Background



This preview shows how the Yxy color 44.2324, 0.3015, 0.3131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

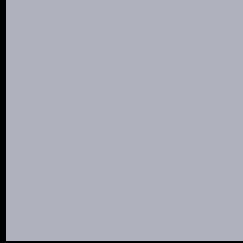
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2324, 0.3015, 0.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

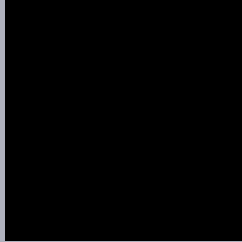
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

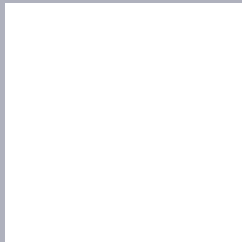
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.2324, 0.3015, 0.3131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2324, 0.3015, 0.3131.

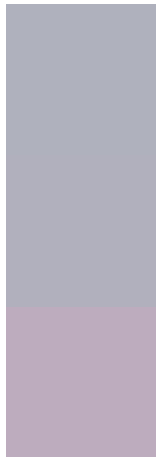


This preview shows how white text looks on a background with the Yxy color 44.2324, 0.3015, 0.3131.

# 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

44.2324, 0.3015, 0.3131

### Protanopia

44.0719, 0.3032, 0.3119

### Deuteranopia

44.0416, 0.3129, 0.3060



## Tritanopia

44.3198, 0.2999, 0.3106

# Trichromacy



## Original Color

44.2324, 0.3015, 0.3131

## Protanomaly

43.9549, 0.3023, 0.3118

## Deuteranomaly

44.1802, 0.3084, 0.3083

## Tritanomaly

44.2759, 0.3007, 0.3118

# Monochromacy



## Original Color

44.2324, 0.3015, 0.3131

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.5653, 0.3087, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2324, 0.3015, 0.3131 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(175, 177, 189)` looks like.

```
.text, #text, p{  
    color:rgb(175, 177, 189)  
}
```

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(175, 177, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 177, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2324, 0.3015, 0.3131 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(175, 177, 189) }
```

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

```
.border{ border-color:rgb(175, 177, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 177, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 177, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 177, 189);  
box-shadow:4px 4px 4px 4px rgb(175, 177,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2324, 0.3015, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 177, 189) }
```

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

```
.background{ background-color: rgb(175,  
177, 189) }
```

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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