

# Converting Colors

$Yxy(41.6476, 0.3049, 0.3464)$

Have a look what the booklet for  
Yxy(41.6476, 0.3049, 0.3464)  
contains.

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# Color

**Yxy(41.7255, 0.3050, 0.3475)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DB2A5
RGB	157, 178, 165
RGB Percent	62%, 70%, 65%
CMY	0.3842, 0.3020, 0.3529
CMYK	0.12, 0.00, 0.07, 0.30
HSL	143°, 12%, 66%
HSV	143°, 12%, 70%
XYZ	36.6224, 41.7255, 41.7255
YIQ	170.2390, -8.3430, -8.4950

# Conversions

## Conversions Part 2

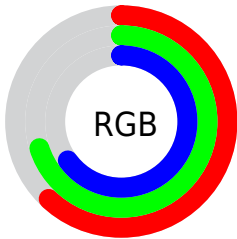
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 172, 178
Decimal	10334885
CIELab	70.68, -9.79, 4.18
CIELCh	71, 10.645, 156.879
Yxy	41.7255, 0.3050, 0.3475
Android (android.graphics.Color)	4288524965 (0xFF9DB2A5)
YUV	170.2390, -2.5828, -11.6106
Hunter-Lab	64.5953, -11.8409, 6.9182

# Details

The Yxy color **41.7255, 0.3050, 0.3475** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4937, 0.3213, 0.3112**, and the grayscale version is **40.3441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0100, 0.3067, 0.3443**, and **18.9237, 0.3033, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **39.6804, 0.2986, 0.3653**, and if you desaturate by 10%, it is **44.0696, 0.3116, 0.3316**.

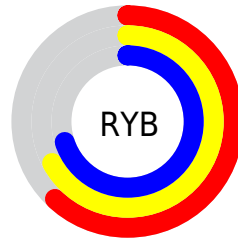
# Distribution



Red (62%)

Green (70%)

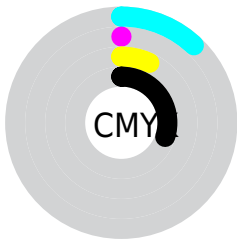
Blue (65%)



Red (62%)

Yellow (67%)

Blue (70%)

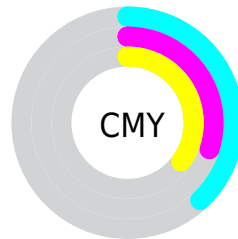


Cyan (12%)

Magenta (0%)

Yellow (7%)

Black (30%)



Cyan (38%)

Magenta (30%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7255, 0.3050, 0.3475 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 41.7255, 0.3050, 0.3475 by changing the saturation by 10% instead.




 41.7255, 0.3050,  
0.3475

 41.7255, 0.3050,  
0.3475


353.3438, 0.3090,  
0.3380

 28.8864, 0.3040,  
0.3500


 77.7840, 0.3065,  
0.3440

 18.9949, 0.3026,  
0.3532


 101.7722, 0.3070,  
0.3427

 11.6666, 0.3007,  
0.3577


130.2456, 0.3075,  
0.3416

 6.5171, 0.2980,  
0.3641

163.5885, 0.3079,  
0.3406

 3.1620, 0.2937,  
0.3743

202.1854, 0.3082,  
0.3398

 1.2169, 0.2859,  
0.3928

246.4207, 0.3085,

 0.0754, 0.0000,

0.3391

1.0000

296.6786, 0.3088,  
0.3385

0.0000, 0.0000,  
0.0000

41.7255, 0.3050,  
0.3475

41.7255, 0.3050,  
0.3475

39.6804, 0.2986,  
0.3653

44.0696, 0.3116,  
0.3316

37.9170, 0.2926,  
0.3849

46.7187, 0.3181,  
0.3176

36.4240, 0.2872,  
0.4063

49.6855, 0.3245,  
0.3052

35.1874, 0.2828,  
0.4291

52.9801, 0.3307,  
0.2944

34.1919, 0.2796,  
0.4528

56.6124, 0.3366,  
0.2849

■ 33.4207, 0.2780,  
0.4767

■ 58.8777, 0.3349,  
0.2754

■ 32.8543, 0.2782,  
0.5000

■ 59.5212, 0.3261,  
0.2651

■ 32.4700, 0.2802,  
0.5217

■ 60.2047, 0.3176,  
0.2552

■ 32.2525, 0.2827,  
0.5379

■ 60.3185, 0.3163,  
0.2536

# Harmonies

## Analogous

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



41.7255, 0.3205, 0.3552



41.7255, 0.3050, 0.3475



41.7255, 0.2918, 0.3346

# Triad

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



41.7255, 0.3050, 0.3475



41.7255, 0.2913, 0.3033



41.7255, 0.3422, 0.3365

# Complementary

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



41.7255, 0.3050, 0.3475



36.4937, 0.3213, 0.3112

# 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.



41.7255, 0.3339, 0.3231



41.7255, 0.3050, 0.3475



41.7255, 0.3044, 0.3043

# Square

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



41.7255, 0.3050, 0.3475



41.7255, 0.2840, 0.3090



41.7255, 0.3200, 0.3115



41.7255, 0.3423, 0.3483



# Rectangle

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



41.7255, 0.3050, 0.3475



41.7255, 0.2859, 0.3250



41.7255, 0.3200, 0.3115



41.7255, 0.3403, 0.3320

# Sweetspot

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



41.7273, 0.3050, 0.3475



78.9000, 0.3100, 0.3351



42.8547, 0.3230, 0.3581



17.4077, 0.3096, 0.3363



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.



41.7273, 0.3050, 0.3475



74.7103, 0.3034, 0.3517



42.1133, 0.2971, 0.3329



9.5418, 0.3066, 0.3434



23.0902, 0.2822, 0.5358



0.7381, 0.2657, 0.4765



# Inverse Universe

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



36.4937, 0.3213, 0.3112



63.4214, 0.3233, 0.3073



36.1228, 0.3308, 0.3252



8.5908, 0.3194, 0.3150



7.5946, 0.4439, 0.2219

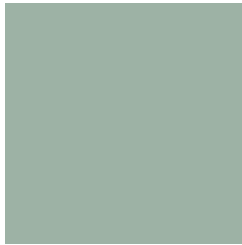


0.2499, 0.4013, 0.1985



# Previews

## White Background



This preview shows how the Yxy color 41.7255, 0.3050, 0.3475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

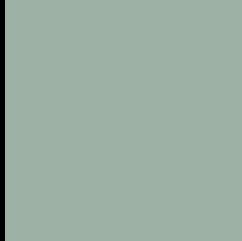
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7255, 0.3050, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

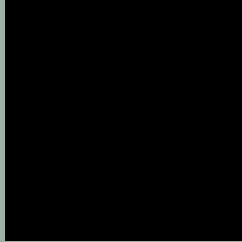
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

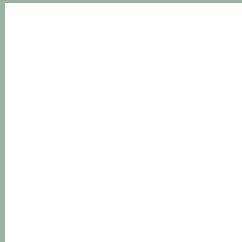
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7255, 0.3050, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7255, 0.3050, 0.3475.



This preview shows how white text looks on a background with the Yxy color 41.7255, 0.3050, 0.3475.

# 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

41.7255, 0.3050, 0.3475

### Protanopia

41.5787, 0.3267, 0.3427

### Deuteranopia

41.5038, 0.3352, 0.3291



## Tritanopia

41.8679, 0.2906, 0.3111

# Trichromacy



## Original Color

41.7255, 0.3050, 0.3475

## Protanomaly

41.4625, 0.3183, 0.3443

## Deuteranomaly

41.4627, 0.3243, 0.3358

## Tritanomaly

41.8195, 0.2959, 0.3234

# Monochromacy



## Original Color

41.7255, 0.3050, 0.3475

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.7136, 0.3097, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7255, 0.3050, 0.3475 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(157, 178, 165)` looks like.

```
.text, #text, p{  
    color:rgb(157, 178, 165)  
}
```

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(157, 178, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 178, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7255, 0.3050, 0.3475 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(157, 178, 165) }
```

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

```
.border{ border-color:rgb(157, 178, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 178, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 178, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 178, 165);  
box-shadow:4px 4px 4px 4px rgb(157, 178,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7255, 0.3050, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 178, 165) }
```

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

```
.background{ background-color: rgb(157,  
178, 165) }
```

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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