

# Converting Colors

Yxy(47.2181, 0.3138, 0.3513)

Have a look what the booklet for  
Yxy(47.2181, 0.3138, 0.3513)  
contains.

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# Color

**Yxy(47.3272, 0.3141, 0.3518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADBBAA
RGB	173, 187, 170
RGB Percent	68%, 73%, 67%
CMY	0.3217, 0.2666, 0.3333
CMYK	0.08, 0.00, 0.09, 0.27
HSL	110°, 11%, 70%
HSV	110°, 9%, 73%
XYZ	42.2555, 47.3272, 44.9460
YIQ	180.8760, -2.8870, -8.2550

# Conversions

## Conversions Part 2

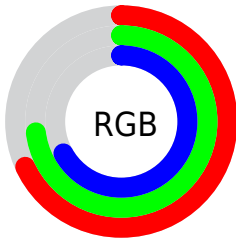
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">170, 187, 184</a>
Decimal	<a href="#">11385770</a>
CIELab	<a href="#">74.40, -8.04, 6.94</a>
CIELCh	<a href="#">74, 10.624, 139.185</a>
Yxy	<a href="#">47.3272, 0.3141, 0.3518</a>
Android (android.graphics.Color)	<a href="#">4289575850 (0xFFADBBA)</a>
YUV	<a href="#">180.8760, -5.3619, -6.9073</a>
Hunter-Lab	<a href="#">68.7948, -10.7517, 9.4201</a>

# Details

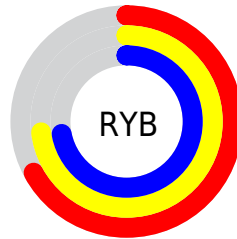
The Yxy color **47.3272, 0.3141, 0.3518** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5421, 0.3111, 0.3069**, and the grayscale version is **46.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0314, 0.3138, 0.3477**, and **22.4231, 0.3147, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **45.0103, 0.3154, 0.3797**, and if you desaturate by 10%, it is **49.9526, 0.3126, 0.3268**.

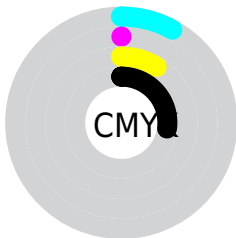
# Distribution



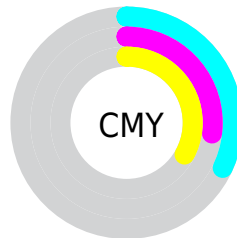
- Red (68%)
- Green (73%)
- Blue (67%)



- Red (67%)
- Yellow (73%)
- Blue (72%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)




- Cyan (32%)
- Magenta (27%)
- Yellow (33%)
- Black (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3272, 0.3141, 0.3518 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 47.3272, 0.3141, 0.3518 by changing the saturation by 10% instead.





 47.3272, 0.3141,  
0.3518

 47.3272, 0.3141,  
0.3518


376.1191, 0.3135,  
0.3403

 33.2944, 0.3142,  
0.3547

 86.2018, 0.3139,  
0.3476

 22.3521, 0.3144,  
0.3585


111.8124, 0.3138,  
0.3460

 14.1158, 0.3145,  
0.3636


142.0511, 0.3137,  
0.3447

 8.2013, 0.3147,  
0.3708

177.3022, 0.3137,  
0.3435

 4.2240, 0.3149,  
0.3818

217.9502, 0.3136,  
0.3426

 1.7996, 0.3148,  
0.4005

264.3794, 0.3136,

 0.4869, 0.3339,

0.3417

0.6100

316.9742, 0.3135,  
0.3409

0.0000, 0.0000,  
0.0000

47.3272, 0.3141,  
0.3518

47.3272, 0.3141,  
0.3518

45.0103, 0.3154,  
0.3797

49.9526, 0.3126,  
0.3268

42.9847, 0.3165,  
0.4104

52.8910, 0.3110,  
0.3048

41.2405, 0.3171,  
0.4433

56.1545, 0.3093,  
0.2855

39.7653, 0.3170,  
0.4771

59.7526, 0.3077,  
0.2687

38.5452, 0.3162,  
0.5102

63.1334, 0.3122,  
0.2617

■ 37.5654, 0.3145,  
0.5405

■ 64.0257, 0.3158,  
0.2624

■ 36.8096, 0.3120,  
0.5656

■ 36.2591, 0.3089,  
0.5838

■ 35.8875, 0.3056,  
0.5949

# Harmonies

## Analogous

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



47.3272, 0.3284, 0.3550



47.3272, 0.3141, 0.3518



47.3272, 0.2997, 0.3420

# Triad

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



47.3272, 0.3141, 0.3518



47.3272, 0.2872, 0.3069



47.3272, 0.3371, 0.3286

# Complementary

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



47.3272, 0.3141, 0.3518



42.5421, 0.3111, 0.3069

# 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.



47.3272, 0.3256, 0.3165



47.3272, 0.3141, 0.3518



47.3272, 0.2968, 0.3040

# Square

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



47.3272, 0.3141, 0.3518



47.3272, 0.2844, 0.3158



47.3272, 0.3108, 0.3076



47.3272, 0.3419, 0.3412



# Rectangle

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



47.3272, 0.3141, 0.3518



47.3272, 0.2919, 0.3333



47.3272, 0.3108, 0.3076



47.3272, 0.3339, 0.3244

# Sweetspot

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



47.3292, 0.3141, 0.3518



87.5251, 0.3132, 0.3364



47.7071, 0.3264, 0.3471



19.1901, 0.3133, 0.3384



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.



47.3292, 0.3141, 0.3518



83.8421, 0.3144, 0.3574



47.2045, 0.3076, 0.3446



10.7271, 0.3141, 0.3525



24.7271, 0.3059, 0.5953



0.9935, 0.3208, 0.5835



# Inverse Universe

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



42.5421, 0.3111, 0.3069



73.4460, 0.3107, 0.3016



42.6843, 0.3183, 0.3139



9.6102, 0.3111, 0.3062



7.2691, 0.2778, 0.1304



0.3072, 0.2888, 0.1364



# Previews

## White Background



This preview shows how the Yxy color 47.3272, 0.3141, 0.3518 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 47.3272, 0.3141, 0.3518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

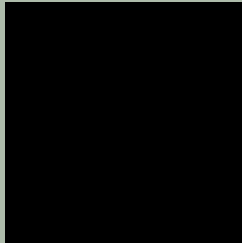
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

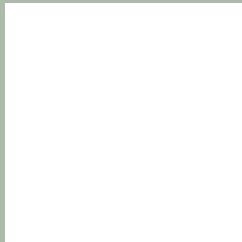
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.3272, 0.3141, 0.3518**

## Background



This preview shows how black text looks on a background with the Yxy color 47.3272, 0.3141, 0.3518.



This preview shows how white text looks on a background with the Yxy color 47.3272, 0.3141, 0.3518.

# 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

47.3272, 0.3141, 0.3518

### Protanopia

47.1931, 0.3318, 0.3485

### Deuteranopia

46.8666, 0.3412, 0.3341



## Tritanopia

47.2453, 0.2971, 0.3109

# Trichromacy



## Original Color

47.3272, 0.3141, 0.3518

## Protanomaly

47.2985, 0.3254, 0.3500

## Deuteranomaly

46.9202, 0.3315, 0.3406

## Tritanomaly

47.0989, 0.3038, 0.3250

# Monochromacy



## Original Color

47.3272, 0.3141, 0.3518

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.5063, 0.3132, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3272, 0.3141, 0.3518 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(173, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 187, 170)  
}
```

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(173, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 187, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3272, 0.3141, 0.3518 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(173, 187, 170) }
```

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

```
.border{ border-color:rgb(173, 187, 170) }
```

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

Here you see how a box with a 4 pixel rgb(173, 187, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 187,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3272, 0.3141, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 187, 170) }
```

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

```
.background{ background-color: rgb(173,  
187, 170) }
```

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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