

# Converting Colors

$Yxy(45.0501, 0.3022, 0.3515)$

Have a look what the booklet for  
Yxy(45.0501, 0.3022, 0.3515)  
contains.

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# Color

**Yxy(45.2515, 0.3026, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EBAA9
RGB	158, 186, 169
RGB Percent	62%, 73%, 66%
CMY	0.3803, 0.2706, 0.3372
CMYK	0.15, 0.00, 0.09, 0.27
HSL	144°, 17%, 67%
HSV	144°, 15%, 73%
XYZ	38.8237, 45.2515, 44.2251
YIQ	175.6900, -11.2310, -11.2230

# Conversions

## Conversions Part 2

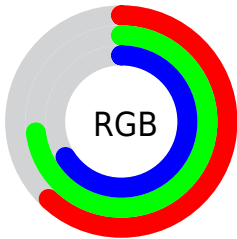
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 178, 186
Decimal	10402473
CIELab	73.06, -12.88, 5.43
CIELCh	73, 13.981, 157.138
Yxy	45.2515, 0.3026, 0.3527
Android (android.graphics.Color)	4288592553 (0xFF9EBAA9)
YUV	175.6900, -3.2982, -15.5141
Hunter-Lab	67.2692, -14.7020, 8.1092

# Details

The Yxy color **45.2515, 0.3026, 0.3527** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9952, 0.3244, 0.3064**, and the grayscale version is **43.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0322, 0.3047, 0.3483**, and **21.1236, 0.2991, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **43.1013, 0.2961, 0.3708**, and if you desaturate by 10%, it is **47.7277, 0.3093, 0.3365**.

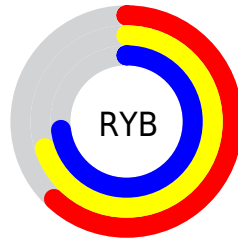
# Distribution



Red (62%)

Green (73%)

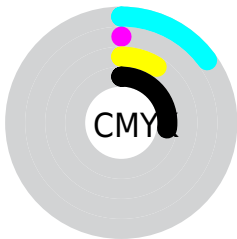
Blue (66%)



Red (62%)

Yellow (70%)

Blue (73%)

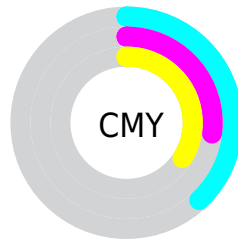


Cyan (15%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (38%)

Magenta (27%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2515, 0.3026, 0.3527 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 45.2515, 0.3026, 0.3527 by changing the saturation by 10% instead.




 45.2515, 0.3026,  
0.3527


 45.2515, 0.3026,  
0.3527


367.7912, 0.3078,  
0.3406

 31.6556, 0.3013,  
0.3558


 83.0977, 0.3045,  
0.3482

 21.0986, 0.2995,  
0.3599


 108.1167, 0.3052,  
0.3466

 13.1961, 0.2972,  
0.3654


137.7123, 0.3058,  
0.3452

 7.5637, 0.2938,  
0.3732

172.2687, 0.3063,  
0.3440

 3.8171, 0.2885,  
0.3854

212.1704, 0.3068,  
0.3430

 1.5718, 0.2792,  
0.4068

257.8018, 0.3072,

 0.3384, 0.0208,

0.3421

0.9792

309.5473, 0.3075,  
0.3413

0.0000, 0.0000,  
0.0000

45.2515, 0.3026,  
0.3527

45.2515, 0.3026,  
0.3527

43.1013, 0.2961,  
0.3708

47.7277, 0.3093,  
0.3365

41.2576, 0.2901,  
0.3907

50.5371, 0.3161,  
0.3221

39.7076, 0.2849,  
0.4122

53.6936, 0.3227,  
0.3094

38.4354, 0.2808,  
0.4350

57.2088, 0.3292,  
0.2983

37.4234, 0.2780,  
0.4585

61.0938, 0.3354,  
0.2885

■ 36.6520, 0.2770,  
0.4820

■ 62.4801, 0.3296,  
0.2781

■ 36.0987, 0.2778,  
0.5045

■ 63.1607, 0.3210,  
0.2676

■ 35.7361, 0.2804,  
0.5253

■ 63.5977, 0.3159,  
0.2614

■ 35.5989, 0.2819,  
0.5349

# Harmonies

## Analogous

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



45.2515, 0.3224, 0.3626



45.2515, 0.3026, 0.3527



45.2515, 0.2859, 0.3359

# Triad

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



45.2515, 0.3026, 0.3527



45.2515, 0.2855, 0.2963



45.2515, 0.3505, 0.3385

# Complementary

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



45.2515, 0.3026, 0.3527



37.9952, 0.3244, 0.3064

# 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.



45.2515, 0.3400, 0.3216



45.2515, 0.3026, 0.3527



45.2515, 0.3021, 0.2978

# Square

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



45.2515, 0.3026, 0.3527



45.2515, 0.2762, 0.3033



45.2515, 0.3221, 0.3069



45.2515, 0.3505, 0.3535



# Rectangle

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



45.2515, 0.3026, 0.3527



45.2515, 0.2785, 0.3235



45.2515, 0.3221, 0.3069



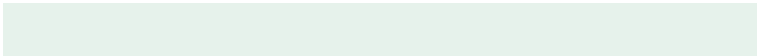
45.2515, 0.3481, 0.3328

# Sweetspot

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



45.2534, 0.3026, 0.3527



86.4909, 0.3093, 0.3365



46.7326, 0.3255, 0.3668



18.9727, 0.3088, 0.3376



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.



45.2534, 0.3026, 0.3527



80.6924, 0.3005, 0.3584



45.7966, 0.2925, 0.3334



10.1169, 0.3064, 0.3432



23.9638, 0.2813, 0.5325



0.8571, 0.2662, 0.4785



# Inverse Universe

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



37.9952, 0.3244, 0.3064



65.0487, 0.3273, 0.3013



37.4826, 0.3373, 0.3247



9.1014, 0.3196, 0.3152



7.8401, 0.4489, 0.2247

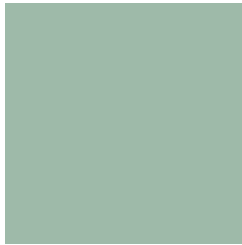


0.2882, 0.4077, 0.2020



# Previews

## White Background



This preview shows how the Yxy color 45.2515, 0.3026, 0.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

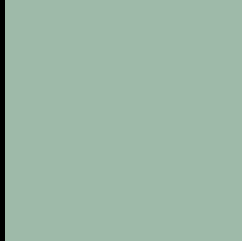
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2515, 0.3026, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

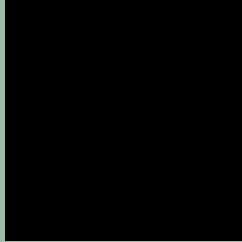
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.2515, 0.3026, 0.3527**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2515, 0.3026, 0.3527.



This preview shows how white text looks on a background with the Yxy color 45.2515, 0.3026, 0.3527.

# 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

45.2515, 0.3026, 0.3527

### Protanopia

44.8717, 0.3296, 0.3462

### Deuteranopia

45.0078, 0.3372, 0.3303



## Tritanopia

45.2279, 0.2867, 0.3103

# Trichromacy



## Original Color

45.2515, 0.3026, 0.3527

## Protanomaly

44.9149, 0.3195, 0.3493

## Deuteranomaly

44.9714, 0.3237, 0.3383

## Tritanomaly

44.9892, 0.2924, 0.3249

# Monochromacy



## Original Color

45.2515, 0.3026, 0.3527

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.0947, 0.3088, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2515, 0.3026, 0.3527 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, 186, 169)` looks like.

```
.text, #text, p{  
    color:rgb(158, 186, 169)  
}
```

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, 186, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 186, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2515, 0.3026, 0.3527 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, 186, 169) }
```

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

```
.border{ border-color:rgb(158, 186, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 186, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 186, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 186, 169);  
box-shadow:4px 4px 4px 4px rgb(158, 186,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2515, 0.3026, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 186, 169) }
```

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

```
.background{ background-color: rgb(158,  
186, 169) }
```

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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