

# Converting Colors

$Y_{xy}(42.1203, 0.3014, 0.4110)$

Have a look what the booklet for  
Yxy(42.1203, 0.3014, 0.4110)  
contains.

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# Color

**Yxy(42.0757, 0.3012, 0.4113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DBC87
RGB	125, 188, 135
RGB Percent	49%, 74%, 53%
CMY	0.5098, 0.2627, 0.4707
CMYK	0.34, 0.00, 0.28, 0.26
HSL	130°, 32%, 61%
HSV	130°, 34%, 74%
XYZ	30.8125, 42.0757, 29.4110
YIQ	163.1210, -20.5350, -29.8390

# Conversions

## Conversions Part 2

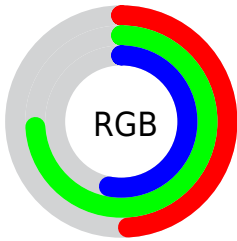
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 179, 188
Decimal	8240263
CIELab	70.92, -31.19, 20.58
CIElCh	71, 37.369, 146.578
Yxy	42.0757, 0.3012, 0.4113
Android (android.graphics.Color)	4286430343 (0xFF7DBC87)
YUV	163.1210, -13.8637, -33.4321
Hunter-Lab	64.8658, -28.7240, 18.5231

# Details

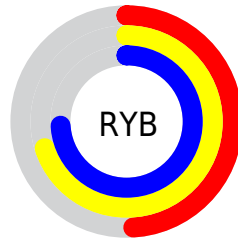
The Yxy color **42.0757, 0.3012, 0.4113** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **28.5748, 0.3270, 0.2588**, and the grayscale version is **36.7600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5194, 0.3040, 0.3958**, and **19.1225, 0.2959, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **40.3809, 0.2982, 0.4412**, and if you desaturate by 10%, it is **44.1081, 0.3046, 0.3836**.

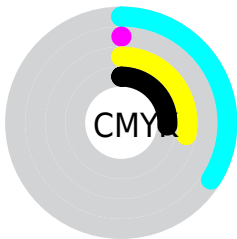
# Distribution



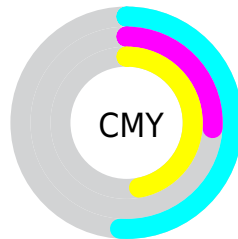
- Red (49%)
- Green (74%)
- Blue (53%)



- Red (49%)
- Yellow (70%)
- Blue (74%)



- Cyan (34%)
- Magenta (0%)
- Yellow (28%)
- Black (26%)




- Cyan (51%)
- Magenta (26%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0757, 0.3012, 0.4113 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 42.0757, 0.3012, 0.4113 by changing the saturation by 10% instead.





 42.0757, 0.3012,  
0.4113


 42.0757, 0.3012,  
0.4113


354.7966, 0.3081,  
0.3674


 29.1606, 0.2990,  
0.4232


 78.3142, 0.3040,  
0.3947

 19.2023, 0.2960,  
0.4389


 102.4063, 0.3050,  
0.3887

 11.8166, 0.2914,  
0.4609


 130.9929, 0.3058,  
0.3836

 6.6189, 0.2838,  
0.4935

164.4584, 0.3064,  
0.3794

 3.2249, 0.2698,  
0.5460

203.1871, 0.3069,  
0.3758

 1.2503, 0.2368,  
0.7632

247.5634, 0.3074,

 0.1022, 0.0000,

0.3726

1.0000

297.9718, 0.3078,  
0.3699

0.0000, 0.0000,  
0.0000

42.0757, 0.3012,  
0.4113

42.0757, 0.3012,  
0.4113

40.3809, 0.2982,  
0.4412

44.1081, 0.3046,  
0.3836

39.0003, 0.2957,  
0.4723

46.4895, 0.3080,  
0.3585

37.9159, 0.2940,  
0.5032


49.2371, 0.3115,  
0.3362


37.1056, 0.2933,  
0.5322


52.3657, 0.3149,  
0.3166

36.5442, 0.2937,  
0.5574


55.8891, 0.3181,  
0.2995

 36.2018, 0.2952,  
0.5769

 59.8204, 0.3211,  
0.2848

 36.0614, 0.2962,  
0.5864

 63.8665, 0.3226,  
0.2718

 64.4488, 0.3158,  
0.2634

# Harmonies

## Analogous

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



42.0757, 0.3543, 0.4274



42.0757, 0.3012, 0.4113



42.0757, 0.2537, 0.3657

# Triad

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



42.0757, 0.3012, 0.4113



42.0757, 0.2303, 0.2466



42.0757, 0.4105, 0.3343

# Complementary

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



42.0757, 0.3012, 0.4113



28.5748, 0.3270, 0.2588

# 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.



42.0757, 0.3714, 0.2940



42.0757, 0.3012, 0.4113



42.0757, 0.2659, 0.2454

# Square

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



42.0757, 0.3012, 0.4113



42.0757, 0.2155, 0.2687



42.0757, 0.3171, 0.2625



42.0757, 0.4200, 0.3764



# Rectangle

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



42.0757, 0.3012, 0.4113



42.0757, 0.2312, 0.3288



42.0757, 0.3171, 0.2625



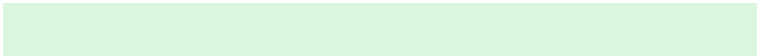
42.0757, 0.4003, 0.3203

# Sweetspot

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



42.0775, 0.3012, 0.4113



85.8420, 0.3092, 0.3507



46.9802, 0.3539, 0.4139



18.3142, 0.3087, 0.3539



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.



42.0775, 0.3012, 0.4113



73.9983, 0.2990, 0.4325



43.0802, 0.2800, 0.3620



10.6736, 0.3095, 0.3489



24.5582, 0.2958, 0.5849



0.9698, 0.2850, 0.5462



# Inverse Universe

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



28.5748, 0.3270, 0.2588



45.8800, 0.3308, 0.2441



27.4676, 0.3625, 0.2986



9.6696, 0.3161, 0.3099



8.9743, 0.3649, 0.1784



0.3586, 0.3528, 0.1717



# Previews

## White Background



This preview shows how the Yxy color 42.0757, 0.3012, 0.4113 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 42.0757, 0.3012, 0.4113 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 42.0757, 0.3012, 0.4113**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0757, 0.3012, 0.4113.



This preview shows how white text looks on a background with the Yxy color 42.0757, 0.3012, 0.4113.

# 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

42.0757, 0.3012, 0.4113

### Protanopia

41.7599, 0.3629, 0.3901

### Deuteranopia

41.5834, 0.3704, 0.3627



## Tritanopia

41.9010, 0.2679, 0.3077

# Trichromacy



**Original Color**

42.0757, 0.3012, 0.4113

**Protanomaly**

41.2660, 0.3378, 0.3969

**Deuteranomaly**

40.9913, 0.3423, 0.3797

**Tritanomaly**

41.8706, 0.2803, 0.3437

# Monochromacy



**Original Color**

42.0757, 0.3012, 0.4113

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

38.1945, 0.3078, 0.3574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0757, 0.3012, 0.4113 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(125, 188, 135)` looks like.

```
.text, #text, p{  
    color:rgb(125, 188, 135)  
}
```

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(125, 188, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 188, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0757, 0.3012, 0.4113 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(125, 188, 135) }
```

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

```
.border{ border-color:rgb(125, 188, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 188, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 188, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 188, 135);  
box-shadow:4px 4px 4px 4px rgb(125, 188,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0757, 0.3012, 0.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 188, 135) }
```

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

```
.background{ background-color: rgb(125,  
188, 135) }
```

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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