

# Converting Colors

$Y_{xy}(46.3030, 0.2841, 0.3824)$

Have a look what the booklet for  
Yxy(46.3030, 0.2841, 0.3824)  
contains.

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# Color

**Yxy(46.3030, 0.2841, 0.3824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CC4A0
RGB	124, 196, 160
RGB Percent	49%, 77%, 63%
CMY	0.5136, 0.2314, 0.3725
CMYK	0.37, 0.00, 0.18, 0.23
HSL	150°, 38%, 63%
HSV	150°, 37%, 77%
XYZ	34.4003, 46.3030, 40.3819
YIQ	170.3680, -31.3560, -26.4600

# Conversions

## Conversions Part 2

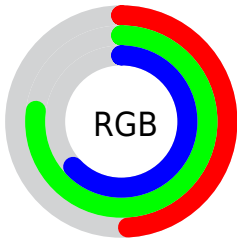
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 172, 196
Decimal	8176800
CIELab	73.74, -30.49, 11.03
CIElCh	74, 32.429, 160.109
Yxy	46.3030, 0.2841, 0.3824
Android (android.graphics.Color)	4286366880 (0xFF7CC4A0)
YUV	170.3680, -5.1114, -40.6647
Hunter-Lab	68.0463, -28.8417, 12.4469

# Details

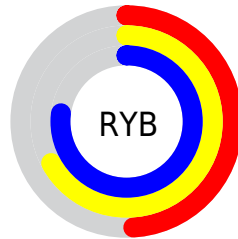
The Yxy color **46.3030, 0.2841, 0.3824** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.6976, 0.3564, 0.2816**, and the grayscale version is **40.4334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7406, 0.2895, 0.3718**, and **21.7683, 0.2756, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **44.6567, 0.2780, 0.4002**, and if you desaturate by 10%, it is **48.2704, 0.2912, 0.3659**.

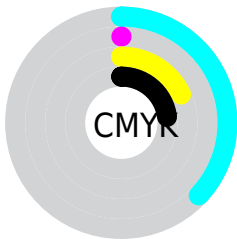
# Distribution



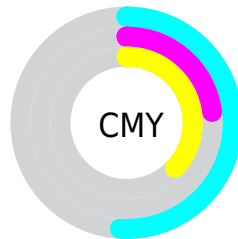
- Red (49%)
- Green (77%)
- Blue (63%)



- Red (49%)
- Yellow (67%)
- Blue (77%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)




- Cyan (51%)
- Magenta (23%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3030, 0.2841, 0.3824 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 46.3030, 0.2841, 0.3824 by changing the saturation by 10% instead.



 46.3030, 0.2841,  
0.3824


 46.3030, 0.2841,  
0.3824


372.0255, 0.2989,  
0.3547


 32.4850, 0.2803,  
0.3896


 84.6723, 0.2896,  
0.3721

 21.7322, 0.2752,  
0.3991


 109.9923, 0.2916,  
0.3683

 13.6603, 0.2684,  
0.4122


 139.9152, 0.2933,  
0.3651

 7.8848, 0.2585,  
0.4310

174.8253, 0.2947,  
0.3624

 4.0213, 0.2432,  
0.4606

215.1070, 0.2960,  
0.3601

 1.6855, 0.2144,  
0.5151

261.1446, 0.2971,

 0.4142, 0.0000,

0.3581

1.0000

313.3227, 0.2980,  
0.3563

■ 0.0000, 0.0000,  
0.0000

■ 46.3030, 0.2841,  
0.3824

■ 46.3030, 0.2841,  
0.3824

■ 44.6567, 0.2780,  
0.4002

■ 48.2704, 0.2912,  
0.3659

■ 43.3079, 0.2731,  
0.4189

■ 50.5696, 0.2990,  
0.3509

■ 42.2388, 0.2699,  
0.4384

■ 53.2179, 0.3071,  
0.3373


■ 41.4270, 0.2685,  
0.4580


■ 56.2296, 0.3154,  
0.3252

■ 40.8468, 0.2691,  
0.4773

■ 59.6182, 0.3237,  
0.3144


 40.4641, 0.2717,  
0.4956

 63.3964, 0.3319,  
0.3050

 40.3606, 0.2726,  
0.5015

 66.3757, 0.3349,  
0.2961

 66.9378, 0.3275,  
0.2866

 67.5312, 0.3203,  
0.2774

# Harmonies

## Analogous

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



46.3030, 0.3285, 0.4083



46.3030, 0.2841, 0.3824



46.3030, 0.2490, 0.3393

# Triad

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



46.3030, 0.2841, 0.3824



46.3030, 0.2543, 0.2561



46.3030, 0.4019, 0.3509

# Complementary

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



46.3030, 0.2841, 0.3824



28.6976, 0.3564, 0.2816

# 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.



46.3030, 0.3793, 0.3146



46.3030, 0.2841, 0.3824



46.3030, 0.2918, 0.2622

# Square

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



46.3030, 0.2841, 0.3824



46.3030, 0.2331, 0.2674



46.3030, 0.3379, 0.2831



46.3030, 0.3981, 0.3849



# Rectangle

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



46.3030, 0.2841, 0.3824



46.3030, 0.2349, 0.3098



46.3030, 0.3379, 0.2831



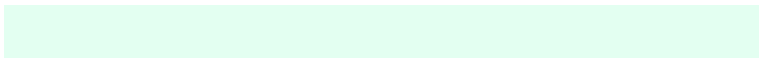
46.3030, 0.3971, 0.3387

# Sweetspot

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



46.3049, 0.2841, 0.3824



94.1918, 0.3035, 0.3432



48.5348, 0.3371, 0.4292



20.0198, 0.3023, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

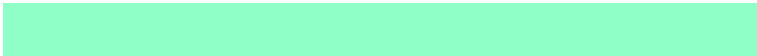


# Same Dimension

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



46.3049, 0.2841, 0.3824



81.4597, 0.2791, 0.3965



47.6979, 0.2625, 0.3305



11.3409, 0.3050, 0.3408



25.9511, 0.2720, 0.4990



1.1352, 0.2605, 0.4579



# Inverse Universe

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



28.6976, 0.3564, 0.2816



44.9648, 0.3701, 0.2713



27.6451, 0.3993, 0.3276



10.1600, 0.3212, 0.3175



8.1252, 0.4936, 0.2493



0.3650, 0.4450, 0.2225



# Previews

## White Background



This preview shows how the Yxy color 46.3030, 0.2841, 0.3824 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 46.3030, 0.2841, 0.3824 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 46.3030, 0.2841, 0.3824**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3030, 0.2841, 0.3824.



This preview shows how white text looks on a background with the Yxy color 46.3030, 0.2841, 0.3824.

# 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

46.3030, 0.2841, 0.3824

### Protanopia

45.8567, 0.3448, 0.3658

### Deuteranopia

45.8261, 0.3478, 0.3404



## Tritanopia

46.3030, 0.2614, 0.3083

# Trichromacy



**Original Color**

46.3030, 0.2841, 0.3824

**Protanomaly**

45.5914, 0.3199, 0.3721

**Deuteranomaly**

45.2142, 0.3218, 0.3548

**Tritanomaly**

46.1192, 0.2690, 0.3331

# Monochromacy



**Original Color**

46.3030, 0.2841, 0.3824

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.7657, 0.3008, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  46.3030, 0.2841, 0.3824 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(124, 196, 160)` looks like.

```
.text, #text, p{  
    color:rgb(124, 196, 160)  
}
```

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(124, 196, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 196, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3030, 0.2841, 0.3824 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(124, 196, 160) }
```

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

```
.border{ border-color:rgb(124, 196, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 196, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 196, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 196, 160);  
box-shadow:4px 4px 4px 4px rgb(124, 196,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3030, 0.2841, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 196, 160) }
```

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

```
.background{ background-color: rgb(124,  
196, 160) }
```

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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