

# Converting Colors

$Yxy(41.8384, 0.2646, 0.4626)$

Have a look what the booklet for  
Yxy(41.8384, 0.2646, 0.4626)  
contains.

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# Color

**Yxy(41.9384, 0.2648, 0.4634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18C678
RGB	24, 198, 120
RGB Percent	9%, 78%, 47%
CMY	0.9049, 0.2235, 0.5294
CMYK	0.88, 0.00, 0.39, 0.22
HSL	153°, 78%, 44%
HSV	153°, 88%, 78%
XYZ	23.9648, 41.9384, 24.5983
YIQ	137.0820, -78.6660, -61.1460

# Conversions

## Conversions Part 2

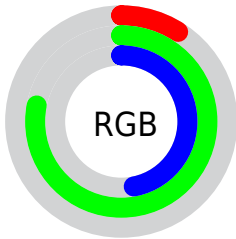
Format	Color
<a href="#">RYB</a>	<a href="#">24, 136, 198</a>
Decimal	<a href="#">1623672</a>
CIELab	<a href="#">70.83, -58.39, 27.90</a>
CIELCh	<a href="#">71, 64.707, 154.462</a>
Yxy	<a href="#">41.9384, 0.2648, 0.4634</a>
Android (android.graphics.Color)	<a href="#">4279813752</a> ( <a href="#">0xFF18C678</a> )
YUV	<a href="#">137.0820, -8.4214, -99.1729</a>
Hunter-Lab	<a href="#">64.7599, -47.2747, 22.8113</a>

# Details

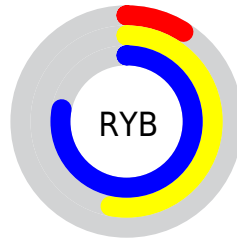
The Yxy color **41.9384, 0.2648, 0.4634** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.6334, 0.4860, 0.2545**, and the grayscale version is **25.1324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5404, 0.2751, 0.4342**, and **20.0871, 0.2724, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **41.5656, 0.2671, 0.4802**, and if you desaturate by 10%, it is **42.5053, 0.2643, 0.4460**.

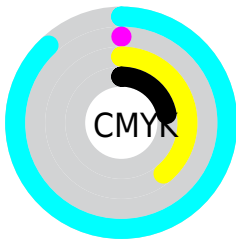
# Distribution



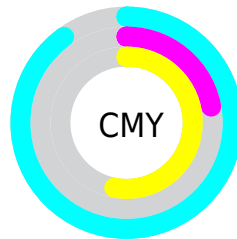
- Red (9%)
- Green (78%)
- Blue (47%)



- Red (9%)
- Yellow (53%)
- Blue (78%)



- Cyan (88%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)



- Cyan (90%)
- Magenta (22%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9384, 0.2648, 0.4634 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 41.9384, 0.2648, 0.4634 by changing the saturation by 10% instead.





 41.9384, 0.2648,  
0.4634


 41.9384, 0.2648,  
0.4634

354.2275, 0.2918,  
0.3899


 29.0531, 0.2570,  
0.4838


 78.1064, 0.2754,  
0.4351


 19.1210, 0.2463,  
0.5113


 102.1578, 0.2791,  
0.4250

 11.7577, 0.2309,  
0.5499


 130.7001, 0.2822,  
0.4166

 6.5789, 0.2073,  
0.6073

 164.1176, 0.2847,  
0.4096

 3.2002, 0.1693,  
0.7069

 202.7946, 0.2869,  
0.4035

 1.2371, 0.0000,  
1.0000

247.1157, 0.2888,

 0.0917, 0.0000,

0.3984


1.0000


297.4652, 0.2904,  
0.3939

 0.0000, 0.0000,  
0.0000

 41.9384, 0.2648,  
0.4634


 41.9384, 0.2648,  
0.4634

 41.5656, 0.2671,  
0.4802


 42.5053, 0.2643,  
0.4460

 41.4933, 0.2678,  
0.4839

 43.3002, 0.2658,  
0.4284

 44.3515, 0.2693,  
0.4110

 45.6822, 0.2744,  
0.3942

 47.3125, 0.2810,  
0.3783

■ 49.2607, 0.2886,  
0.3635

■ 51.5438, 0.2969,  
0.3499

■ 54.1774, 0.3057,  
0.3376

■ 57.1759, 0.3148,  
0.3266

# Harmonies

## Analogous

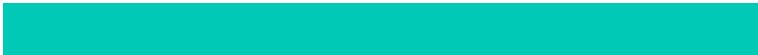
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9384, 0.3510, 0.5030



41.9384, 0.2648, 0.4634



41.9384, 0.1966, 0.3648

# Triad

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



41.9384, 0.2648, 0.4634



41.9384, 0.1910, 0.1931



41.9384, 0.4910, 0.3464

# Complementary

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



41.9384, 0.2648, 0.4634



13.6334, 0.4860, 0.2545

# 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.



41.9384, 0.4358, 0.2846



41.9384, 0.2648, 0.4634



41.9384, 0.2528, 0.2010

# Square

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



41.9384, 0.2648, 0.4634



41.9384, 0.1611, 0.2138



41.9384, 0.3426, 0.2333



41.9384, 0.4860, 0.4121



# Rectangle

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



41.9384, 0.2648, 0.4634



41.9384, 0.1696, 0.2982



41.9384, 0.3426, 0.2333



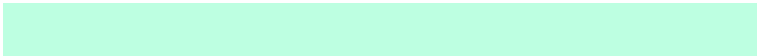
41.9384, 0.4790, 0.3251

# Sweetspot

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



41.9401, 0.2648, 0.4634



87.7495, 0.2897, 0.3616



43.3042, 0.3359, 0.5619



18.5022, 0.2869, 0.3666



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.



41.9401, 0.2648, 0.4634



73.4287, 0.2684, 0.4863



40.8030, 0.2228, 0.3153



11.9841, 0.3043, 0.3396



27.0025, 0.2671, 0.4817



1.2930, 0.2574, 0.4466



# Inverse Universe

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



13.6334, 0.4860, 0.2545



22.4859, 0.5221, 0.2650



13.1566, 0.6105, 0.3347



10.7148, 0.3221, 0.3187



8.2923, 0.5154, 0.2613

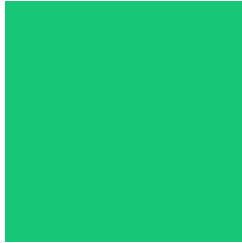


0.4072, 0.4646, 0.2333



# Previews

## White Background



This preview shows how the Yxy color 41.9384, 0.2648, 0.4634 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 41.9384, 0.2648, 0.4634 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 41.9384, 0.2648, 0.4634**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9384, 0.2648, 0.4634.



This preview shows how white text looks on a background with the Yxy color 41.9384, 0.2648, 0.4634.

# 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

41.9384, 0.2648, 0.4634

### Protanopia

41.1740, 0.3816, 0.4134

### Deuteranopia

41.1653, 0.3841, 0.3766



## Tritanopia

41.7341, 0.2319, 0.3064

# Trichromacy



## Original Color

41.9384, 0.2648, 0.4634



## Protanomaly

38.8292, 0.3197, 0.4370



## Deuteranomaly

38.3282, 0.3200, 0.4101



## Tritanomaly

41.5572, 0.2423, 0.3593

# Monochromacy



## Original Color

41.9384, 0.2648, 0.4634



## Achromatopsia

25.0158, 0.3127, 0.3290



## Achromatomaly

28.9218, 0.2799, 0.3797

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9384, 0.2648, 0.4634 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(24, 198, 120)` looks like.

```
.text, #text, p{  
    color:rgb(24, 198, 120)  
}
```

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(24, 198, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 198, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9384, 0.2648, 0.4634 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(24, 198, 120) }
```

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

```
.border{ border-color:rgb(24, 198, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 198, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 198, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 198, 120);  
box-shadow:4px 4px 4px 4px rgb(24, 198,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9384, 0.2648, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 198, 120) }
```

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

```
.background{ background-color: rgb(24, 198,  
120) }
```

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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