

# Converting Colors

$Yxy(44.6964, 0.2660, 0.4704)$

Have a look what the booklet for  
Yxy(44.6964, 0.2660, 0.4704)  
contains.

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# Color

**Yxy(44.6905, 0.2659, 0.4703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14CC78
RGB	20, 204, 120
RGB Percent	8%, 80%, 47%
CMY	0.9228, 0.2000, 0.5294
CMYK	0.90, 0.00, 0.41, 0.20
HSL	153°, 82%, 44%
HSV	153°, 90%, 80%
XYZ	25.2673, 44.6905, 25.0677
YIQ	139.4080, -82.7000, -65.1320

# Conversions

## Conversions Part 2

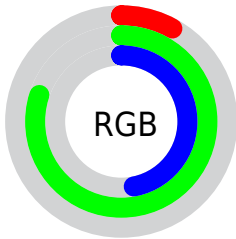
Format	Color
<a href="#">RYB</a>	<a href="#">20, 139, 204</a>
Decimal	<a href="#">1363064</a>
CIELab	<a href="#">72.69, -60.78, 30.33</a>
CIELCh	<a href="#">73, 67.925, 153.478</a>
Yxy	<a href="#">44.6905, 0.2659, 0.4703</a>
Android (android.graphics.Color)	<a href="#">4279553144 (0xFF14CC78)</a>
YUV	<a href="#">139.4080, -9.5681, -104.7208</a>
Hunter-Lab	<a href="#">66.8510, -49.5225, 24.5631</a>

# Details

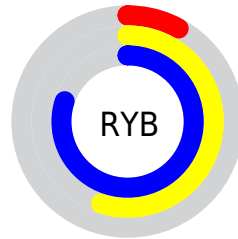
The Yxy color **44.6905, 0.2659, 0.4703** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.3211, 0.4910, 0.2545**, and the grayscale version is **26.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6013, 0.2755, 0.4341**, and **21.6220, 0.2741, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **44.3391, 0.2685, 0.4866**, and if you desaturate by 10%, it is **45.2366, 0.2648, 0.4528**.

# Distribution



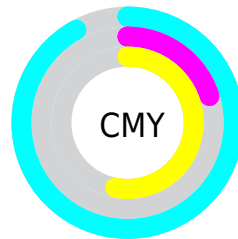
- Red (8%)
- Green (80%)
- Blue (47%)



- Red (8%)
- Yellow (55%)
- Blue (80%)



- Cyan (90%)
- Magenta (0%)
- Yellow (41%)
- Black (20%)




- Cyan (92%)
- Magenta (20%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6905, 0.2659, 0.4703 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 44.6905, 0.2659, 0.4703 by changing the saturation by 10% instead.





 44.6905, 0.2659,  
0.4703


 44.6905, 0.2659,  
0.4703


365.5186, 0.2924,  
0.3936


 31.2137, 0.2583,  
0.4913


 82.2558, 0.2763,  
0.4410


 20.7616, 0.2478,  
0.5194

 107.1131, 0.2799,  
0.4304


 12.9499, 0.2328,  
0.5585


 136.5326, 0.2829,  
0.4217

 7.3940, 0.2098,  
0.6156

 170.8989, 0.2855,  
0.4143

 3.7097, 0.1731,  
0.7094

 210.5962, 0.2876,  
0.4080

 1.5126, 0.0000,  
1.0000

256.0090, 0.2894,


 0.2975, 0.0000,


0.4025


1.0000


307.5217, 0.2910,  
0.3978


 0.0000, 0.0000,  
0.0000


 44.6905, 0.2659,  
0.4703


 44.6905, 0.2659,  
0.4703


 44.3391, 0.2685,  
0.4866

 45.2366, 0.2648,  
0.4528

 46.0190, 0.2657,  
0.4349

 47.0699, 0.2686,  
0.4171

 48.4151, 0.2733,  
0.3998

 50.0770, 0.2794,  
0.3833

■ 52.0758, 0.2867,  
0.3679

■ 54.4302, 0.2948,  
0.3538

■ 57.1572, 0.3035,  
0.3409

■ 60.2729, 0.3124,  
0.3294

# Harmonies

## Analogous

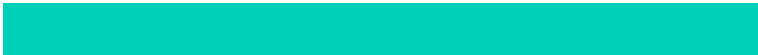
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6905, 0.3542, 0.5079



44.6905, 0.2659, 0.4703



44.6905, 0.1954, 0.3692

# Triad

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



44.6905, 0.2659, 0.4703



44.6905, 0.1868, 0.1903



44.6905, 0.4949, 0.3440

# Complementary

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



44.6905, 0.2659, 0.4703



14.3211, 0.4910, 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.



44.6905, 0.4364, 0.2813



44.6905, 0.2659, 0.4703



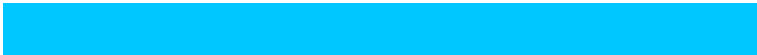
44.6905, 0.2486, 0.1976

# Square

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



44.6905, 0.2659, 0.4703



44.6905, 0.1574, 0.2122



44.6905, 0.3399, 0.2297



44.6905, 0.4912, 0.4110

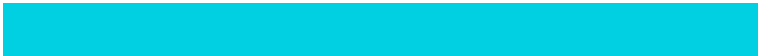


# Rectangle

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



44.6905, 0.2659, 0.4703



44.6905, 0.1672, 0.3001



44.6905, 0.3399, 0.2297



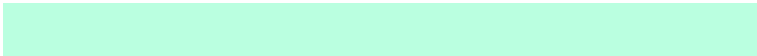
44.6905, 0.4820, 0.3224

# Sweetspot

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



44.6923, 0.2659, 0.4703



87.3394, 0.2891, 0.3635



46.2859, 0.3368, 0.5642



18.4222, 0.2864, 0.3686



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.



44.6923, 0.2659, 0.4703



73.3782, 0.2691, 0.4886



44.8324, 0.2234, 0.3195



12.6374, 0.3043, 0.3398



27.9236, 0.2678, 0.4842



1.4557, 0.2586, 0.4509



# Inverse Universe

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



14.3211, 0.4910, 0.2545



22.5256, 0.5192, 0.2634



13.6194, 0.6201, 0.3326



11.2973, 0.3220, 0.3185



8.5953, 0.5128, 0.2599

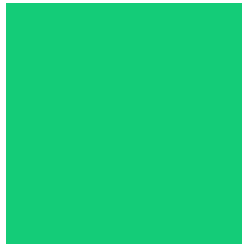


0.4587, 0.4658, 0.2340



# Previews

## White Background



This preview shows how the Yxy color 44.6905, 0.2659, 0.4703 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 44.6905, 0.2659, 0.4703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

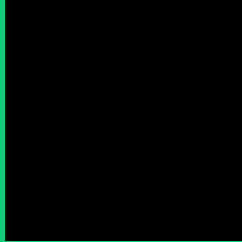
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.6905, 0.2659, 0.4703**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6905, 0.2659, 0.4703.

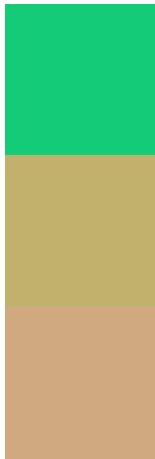


This preview shows how white text looks on a background with the Yxy color 44.6905, 0.2659, 0.4703.

# 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

44.6905, 0.2659, 0.4703

### Protanopia

43.8859, 0.3849, 0.4173

### Deuteranopia

43.4898, 0.3881, 0.3803



## Tritanopia

44.7235, 0.2319, 0.3070

# Trichromacy



## Original Color

44.6905, 0.2659, 0.4703



## Protanomaly

41.4787, 0.3204, 0.4437



## Deuteranomaly

40.5120, 0.3210, 0.4162



## Tritanomaly

44.4032, 0.2424, 0.3617

# Monochromacy



## Original Color

44.6905, 0.2659, 0.4703



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

30.3471, 0.2797, 0.3844

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6905, 0.2659, 0.4703 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(20, 204, 120)` looks like.

```
.text, #text, p{  
    color:rgb(20, 204, 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(20, 204, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 204, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6905, 0.2659, 0.4703 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(20, 204, 120) }
```

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

```
.border{ border-color:rgb(20, 204, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 204, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 204, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 204, 120);  
box-shadow:4px 4px 4px 4px rgb(20, 204,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6905, 0.2659, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 204, 120) }
```

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

```
.background{ background-color: rgb(20, 204,  
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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