

# Converting Colors

$Yxy(41.9541, 0.2477, 0.3707)$

Have a look what the booklet for  
Yxy(41.9541, 0.2477, 0.3707)  
contains.

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# Color

**Yxy(41.9541, 0.2477, 0.3707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EC1A7
RGB	62, 193, 167
RGB Percent	24%, 76%, 65%
CMY	0.7568, 0.2431, 0.3450
CMYK	0.68, 0.00, 0.13, 0.24
HSL	168°, 51%, 50%
HSV	168°, 68%, 76%
XYZ	28.0335, 41.9541, 43.1877
YIQ	150.8670, -69.7300, -35.8580

# Conversions

## Conversions Part 2

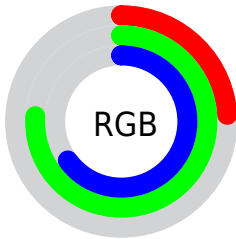
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 135, 193
Decimal	4112807
CIELab	70.84, -41.48, 2.77
CIELCh	71, 41.574, 176.173
Yxy	41.9541, 0.2477, 0.3707
Android (android.graphics.Color)	4282302887 (0xFF3EC1A7)
YUV	150.8670, 7.9536, -77.9364
Hunter-Lab	64.7720, -36.0956, 5.8079

# Details

The Yxy color **41.9541, 0.2477, 0.3707** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.4896, 0.4914, 0.2988**, and the grayscale version is **30.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0051, 0.2596, 0.3627**, and **19.7030, 0.2398, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **41.2990, 0.2442, 0.3779**, and if you desaturate by 10%, it is **42.8382, 0.2532, 0.3636**.

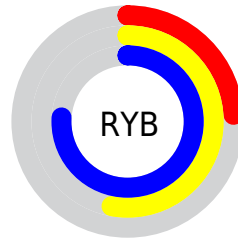
# Distribution



Red (24%)

Green (76%)

Blue (65%)



Red (24%)

Yellow (53%)

Blue (76%)

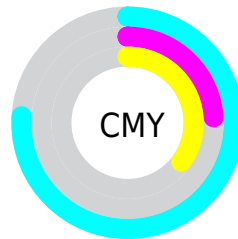


Cyan (68%)

Magenta (0%)

Yellow (13%)

Black (24%)



Cyan (76%)

Magenta (24%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9541, 0.2477, 0.3707 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 41.9541, 0.2477, 0.3707 by changing the saturation by 10% instead.





 41.9541, 0.2477,  
0.3707


 41.9541, 0.2477,  
0.3707

354.2926, 0.2807,  
0.3493


 29.0654, 0.2394,  
0.3762


 78.1302, 0.2598,  
0.3628


 19.1303, 0.2286,  
0.3834


 102.1862, 0.2643,  
0.3599

 11.7644, 0.2142,  
0.3931


 130.7336, 0.2681,  
0.3574

 6.5835, 0.1940,  
0.4070

 164.1565, 0.2713,  
0.3553

 3.2030, 0.1641,  
0.4282

 202.8395, 0.2742,  
0.3535

 1.2386, 0.0514,  
0.4981

247.1670, 0.2766,

 0.0929, 0.0000,

0.3519

1.0000

297.5232, 0.2788,  
0.3505

0.0000, 0.0000,  
0.0000

41.9541, 0.2477,  
0.3707

41.9541, 0.2477,  
0.3707

41.2990, 0.2442,  
0.3779

42.8382, 0.2532,  
0.3636

40.8432, 0.2425,  
0.3851

43.9675, 0.2604,  
0.3567

40.5513, 0.2426,  
0.3922

45.3623, 0.2693,  
0.3501

40.4973, 0.2427,  
0.3938

47.0394, 0.2795,  
0.3439

49.0143, 0.2908,  
0.3381

■ 51.3013, 0.3029,  
0.3328

■ 53.9137, 0.3154,  
0.3280

■ 56.8643, 0.3282,  
0.3237

■ 60.1648, 0.3411,  
0.3198

# Harmonies

## Analogous

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



41.9541, 0.3001, 0.4221



41.9541, 0.2477, 0.3707



41.9541, 0.2145, 0.3093

# Triad

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



41.9541, 0.2477, 0.3707



41.9541, 0.2600, 0.2370



41.9541, 0.4321, 0.3797

# Complementary

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



41.9541, 0.2477, 0.3707



15.4896, 0.4914, 0.2988

# 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.



41.9541, 0.4214, 0.3334



41.9541, 0.2477, 0.3707



41.9541, 0.3164, 0.2555

# Square

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



41.9541, 0.2477, 0.3707



41.9541, 0.2215, 0.2383



41.9541, 0.3773, 0.2896



41.9541, 0.4078, 0.4196



# Rectangle

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



41.9541, 0.2477, 0.3707



41.9541, 0.2059, 0.2754



41.9541, 0.3773, 0.2896



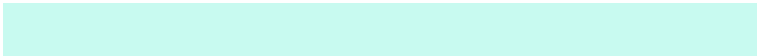
41.9541, 0.4326, 0.3644

# Sweetspot

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



41.9557, 0.2477, 0.3707



86.8678, 0.2880, 0.3395



40.5736, 0.3169, 0.5361



18.4174, 0.2847, 0.3411



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



41.9557, 0.2477, 0.3707



73.5654, 0.2432, 0.3811



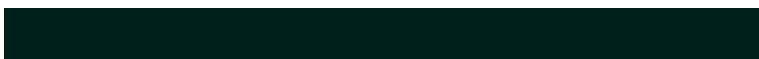
27.8895, 0.2189, 0.2640



11.3931, 0.3010, 0.3336



26.9468, 0.2425, 0.3928



1.1732, 0.2380, 0.3769



# Inverse Universe

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



15.4896, 0.4914, 0.2988



23.0758, 0.5503, 0.3011



21.0541, 0.4939, 0.3775



10.1098, 0.3258, 0.3245



7.6443, 0.6057, 0.3110

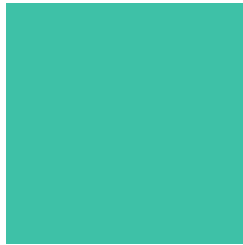


0.3402, 0.5442, 0.2772



# Previews

## White Background



This preview shows how the Yxy color 41.9541, 0.2477, 0.3707 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 41.9541, 0.2477, 0.3707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

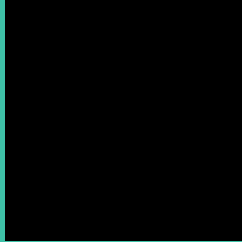
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

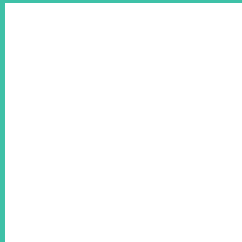
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.9541, 0.2477, 0.3707**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.9541, 0.2477, 0.3707.

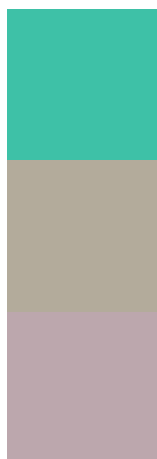


This preview shows how white text looks on a background with the Yxy color 41.9541, 0.2477, 0.3707.

# 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

41.9541, 0.2477, 0.3707

### Protanopia

41.0761, 0.3339, 0.3510

### Deuteranopia

41.3459, 0.3270, 0.3212



## Tritanopia

41.9405, 0.2338, 0.3065

# Trichromacy



## Original Color

41.9541, 0.2477, 0.3707



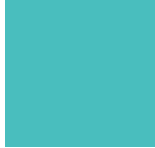
## Protanomaly

39.9776, 0.2923, 0.3591



## Deuteranomaly

39.7417, 0.2880, 0.3363



## Tritanomaly

41.9611, 0.2386, 0.3288

# Monochromacy



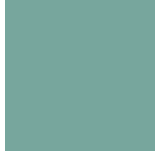
## Original Color

41.9541, 0.2477, 0.3707



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

33.6287, 0.2791, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9541, 0.2477, 0.3707 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(62, 193, 167)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 167)  
}
```

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(62, 193, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9541, 0.2477, 0.3707 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(62, 193, 167) }
```

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

```
.border{ border-color:rgb(62, 193, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 193, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 193, 167);  
box-shadow:4px 4px 4px 4px rgb(62, 193,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9541, 0.2477, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 167) }
```

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

```
.background{ background-color: rgb(62, 193,  
167) }
```

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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