

# Converting Colors

$Yxy(61.8217, 0.2500, 0.3870)$

Have a look what the booklet for  
Yxy(61.8217, 0.2500, 0.3870)  
contains.

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# Color

**Yxy(61.9842, 0.2501, 0.3874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42E7BD
RGB	66, 231, 189
RGB Percent	26%, 91%, 74%
CMY	0.7405, 0.0941, 0.2588
CMYK	0.71, 0.00, 0.18, 0.09
HSL	165°, 77%, 58%
HSV	165°, 71%, 91%
XYZ	40.0161, 61.9842, 58.0002
YIQ	176.8770, -84.8580, -48.0420

# Conversions

## Conversions Part 2

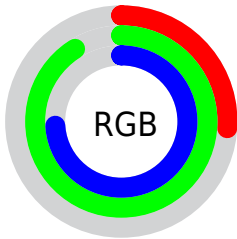
Format	Color
<a href="#">RYB</a>	<a href="#">66, 161, 231</a>
Decimal	<a href="#">4384701</a>
CIELab	<a href="#">82.91, -51.57, 8.40</a>
CIElCh	<a href="#">83, 52.250, 170.749</a>
Yxy	<a href="#">61.9842, 0.2501, 0.3874</a>
Android (android.graphics.Color)	<a href="#">4282574781</a> ( <a href="#">0xFF42E7BD</a> )
YUV	<a href="#">176.8770, 5.9766, -97.2391</a>
Hunter-Lab	<a href="#">78.7300, -47.0514, 11.4323</a>

# Details

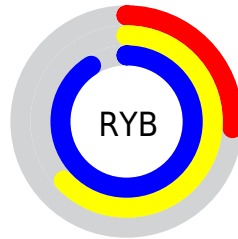
The Yxy color **61.9842, 0.2501, 0.3874** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **21.9898, 0.4944, 0.2889**, and the grayscale version is **43.9252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2635, 0.2544, 0.3403**, and **32.0497, 0.2445, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **61.0872, 0.2478, 0.3970**, and if you desaturate by 10%, it is **63.2204, 0.2544, 0.3779**.

# Distribution



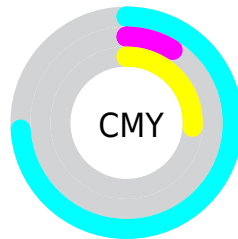
- Red (26%)
- Green (91%)
- Blue (74%)



- Red (26%)
- Yellow (63%)
- Blue (91%)



- Cyan (71%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)




- Cyan (74%)
- Magenta (9%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9842, 0.2501, 0.3874 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 61.9842, 0.2501, 0.3874 by changing the saturation by 10% instead.





 61.9842, 0.2501,  
0.3874

 61.9842, 0.2501,  
0.3874


431.8735, 0.2802,  
0.3587


 45.0199, 0.2430,  
0.3944

 107.7027, 0.2607,  
0.3771


 31.4731, 0.2340,  
0.4033


 137.2257, 0.2648,  
0.3732

 20.9594, 0.2225,  
0.4149


 171.7038, 0.2683,  
0.3699

 13.0943, 0.2072,  
0.4308

 211.5213, 0.2713,  
0.3670

 7.4935, 0.1858,  
0.4536

257.0626, 0.2740,  
0.3645

 3.7726, 0.1544,  
0.4891

308.7121, 0.2763,

 1.5472, 0.0379,

0.3623

0.5918

366.8543, 0.2783,  
0.3604

■ 0.3216, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.9842, 0.2501,  
0.3874

■ 61.9842, 0.2501,  
0.3874

■ 61.0872, 0.2478,  
0.3970

■ 63.2204, 0.2544,  
0.3779


■ 60.4804, 0.2475,  
0.4066

■ 64.8234, 0.2605,  
0.3686


■ 60.1325, 0.2486,  
0.4148


■ 66.8261, 0.2684,  
0.3597


■ 69.2556, 0.2777,  
0.3513

 72.1368, 0.2881,  
0.3435

 75.4924, 0.2993,  
0.3363

 79.3439, 0.3111,  
0.3298

 83.7112, 0.3231,  
0.3240

 84.8170, 0.3221,  
0.3183

# Harmonies

## Analogous

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



61.9842, 0.3098, 0.4395



61.9842, 0.2501, 0.3874



61.9842, 0.2099, 0.3182

# Triad

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



61.9842, 0.2501, 0.3874



61.9842, 0.2455, 0.2274



61.9842, 0.4450, 0.3742

# Complementary

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



61.9842, 0.2501, 0.3874



21.9898, 0.4944, 0.2889

# 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.



61.9842, 0.4263, 0.3239



61.9842, 0.2501, 0.3874



61.9842, 0.3043, 0.2439

# Square

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



61.9842, 0.2501, 0.3874



61.9842, 0.2082, 0.2325



61.9842, 0.3722, 0.2780



61.9842, 0.4239, 0.4206

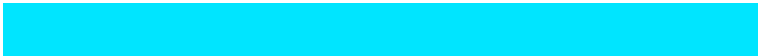


# Rectangle

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



61.9842, 0.2501, 0.3874



61.9842, 0.1976, 0.2785



61.9842, 0.3722, 0.2780



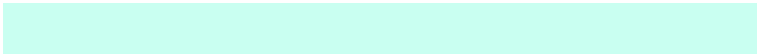
61.9842, 0.4434, 0.3574

# Sweetspot

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



61.9866, 0.2501, 0.3874



90.3723, 0.2884, 0.3433



60.8663, 0.3218, 0.5439



19.1158, 0.2854, 0.3454



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.



61.9866, 0.2501, 0.3874



76.0194, 0.2474, 0.4019



44.8674, 0.2188, 0.2754



16.2704, 0.3015, 0.3351



33.7343, 0.2481, 0.4132



2.5076, 0.2443, 0.3994



# Inverse Universe

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



21.9898, 0.4944, 0.2889



23.2688, 0.5523, 0.2936



27.4103, 0.5209, 0.3665



14.4279, 0.3252, 0.3230



9.7174, 0.5909, 0.3029

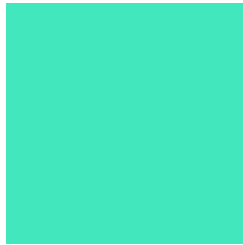


0.7328, 0.5495, 0.2800



# Previews

## White Background



This preview shows how the Yxy color 61.9842, 0.2501, 0.3874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

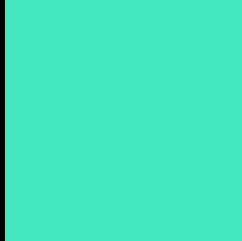
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.9842, 0.2501, 0.3874 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

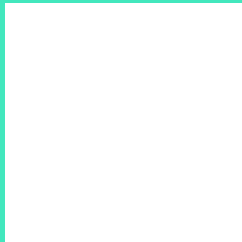
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.9842, 0.2501, 0.3874**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9842, 0.2501, 0.3874.



This preview shows how white text looks on a background with the Yxy color 61.9842, 0.2501, 0.3874.

# 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

61.9842, 0.2501, 0.3874

### Protanopia

60.7279, 0.3427, 0.3629

### Deuteranopia

60.8677, 0.3383, 0.3313



## Tritanopia

61.9974, 0.2325, 0.3060

# Trichromacy



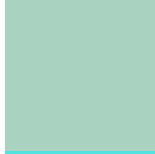
## Original Color

61.9842, 0.2501, 0.3874



## Protanomaly

58.9655, 0.2973, 0.3731



## Deuteranomaly

58.3785, 0.2944, 0.3505



## Tritanomaly

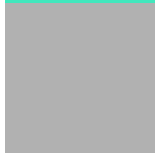
62.1049, 0.2386, 0.3340

# Monochromacy



## Original Color

61.9842, 0.2501, 0.3874



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.5871, 0.2793, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9842, 0.2501, 0.3874 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(66, 231, 189)` looks like.

```
.text, #text, p{  
    color:rgb(66, 231, 189)  
}
```

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(66, 231, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 231, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9842, 0.2501, 0.3874 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(66, 231, 189) }
```

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

```
.border{ border-color:rgb(66, 231, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 231, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 231, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 231, 189);  
box-shadow:4px 4px 4px 4px rgb(66, 231,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9842, 0.2501, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 231, 189) }
```

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

```
.background{ background-color: rgb(66, 231,  
189) }
```

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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