

# Converting Colors

$Y_{xy}(61.2861, 0.2516, 0.3871)$

Have a look what the booklet for  
Yxy(61.2861, 0.2516, 0.3871)  
contains.

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# Color

**Yxy(61.0091, 0.2513, 0.3862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47E5BC
RGB	71, 229, 188
RGB Percent	28%, 90%, 74%
CMY	0.7213, 0.1020, 0.2627
CMYK	0.69, 0.00, 0.18, 0.10
HSL	164°, 75%, 59%
HSV	164°, 69%, 90%
XYZ	39.6986, 61.0091, 57.2651
YIQ	177.0840, -81.0070, -46.2470

# Conversions

## Conversions Part 2

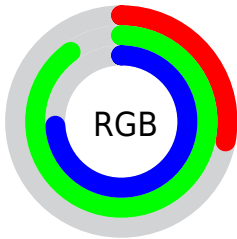
Format	Color
<a href="#">RYB</a>	<a href="#">71, 162, 229</a>
Decimal	<a href="#">4711868</a>
CIELab	<a href="#">82.38, -50.32, 8.19</a>
CIElCh	<a href="#">82, 50.979, 170.757</a>
Yxy	<a href="#">61.0091, 0.2513, 0.3862</a>
Android (android.graphics.Color)	<a href="#">4282901948 (0xFF47E5BC)</a>
YUV	<a href="#">177.0840, 5.3816, -93.0357</a>
Hunter-Lab	<a href="#">78.1083, -45.9669, 11.2073</a>

# Details

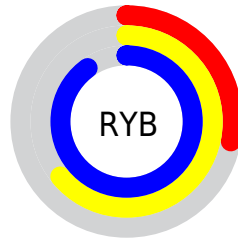
The Yxy color **61.0091, 0.2513, 0.3862** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **22.3429, 0.4837, 0.2882**, and the grayscale version is **44.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4549, 0.2560, 0.3414**, and **31.2543, 0.2442, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **60.0508, 0.2486, 0.3960**, and if you desaturate by 10%, it is **62.3088, 0.2560, 0.3765**.

# Distribution



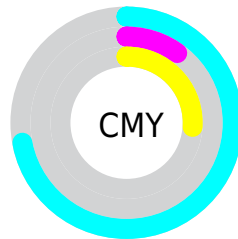
- Red (28%)
- Green (90%)
- Blue (74%)



- Red (28%)
- Yellow (64%)
- Blue (90%)



- Cyan (69%)
- Magenta (0%)
- Yellow (18%)
- Black (10%)




- Cyan (72%)
- Magenta (10%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0091, 0.2513, 0.3862 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 61.0091, 0.2513, 0.3862 by changing the saturation by 10% instead.





 61.0091, 0.2513,  
0.3862

 61.0091, 0.2513,  
0.3862


428.3074, 0.2809,  
0.3580

 44.2325, 0.2443,  
0.3931

 106.2921, 0.2618,  
0.3761

 30.8533, 0.2354,  
0.4018


 135.5673, 0.2658,  
0.3722

 20.4872, 0.2241,  
0.4133


 169.7775, 0.2692,  
0.3690

 12.7497, 0.2088,  
0.4290

 209.3071, 0.2722,  
0.3662

 7.2564, 0.1875,  
0.4517

254.5405, 0.2748,  
0.3637

 3.6230, 0.1560,  
0.4871

305.8621, 0.2771,

 1.4650, 0.0304,

0.3616

363.6563, 0.2791,  
0.3597

0.5955

0.2639, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.0091, 0.2513,  
0.3862

61.0091, 0.2513,  
0.3862

60.0508, 0.2486,  
0.3960

62.3088, 0.2560,  
0.3765

59.3879, 0.2479,  
0.4058


63.9758, 0.2626,  
0.3672


58.9627, 0.2489,  
0.4155

66.0414, 0.2707,  
0.3582


58.9243, 0.2490,  
0.4165


68.5315, 0.2803,  
0.3498

 71.4700, 0.2908,  
0.3420

 74.8788, 0.3022,  
0.3348

 78.7785, 0.3139,  
0.3284

 83.1884, 0.3260,  
0.3226

 83.6791, 0.3226,  
0.3168

# Harmonies

## Analogous

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



61.0091, 0.3099, 0.4372



61.0091, 0.2513, 0.3862



61.0091, 0.2117, 0.3185

# Triad

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



61.0091, 0.2513, 0.3862



61.0091, 0.2467, 0.2290



61.0091, 0.4425, 0.3737

# Complementary

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



61.0091, 0.2513, 0.3862



22.3429, 0.4837, 0.2882

# 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.



61.0091, 0.4241, 0.3241



61.0091, 0.2513, 0.3862



61.0091, 0.3045, 0.2453

# Square

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



61.0091, 0.2513, 0.3862



61.0091, 0.2099, 0.2342



61.0091, 0.3712, 0.2790



61.0091, 0.4220, 0.4192



# Rectangle

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



61.0091, 0.2513, 0.3862



61.0091, 0.1995, 0.2795



61.0091, 0.3712, 0.2790



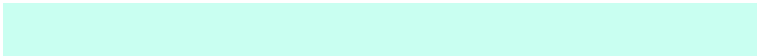
61.0091, 0.4409, 0.3572

# Sweetspot

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



61.0115, 0.2513, 0.3862



90.3570, 0.2885, 0.3436



60.0165, 0.3223, 0.5375



19.1121, 0.2855, 0.3458



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.



61.0115, 0.2513, 0.3862



76.2147, 0.2480, 0.4004



44.7628, 0.2209, 0.2775



16.2692, 0.3016, 0.3352



33.7109, 0.2486, 0.4149



2.5061, 0.2447, 0.4008



# Inverse Universe

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



22.3429, 0.4837, 0.2882



23.9004, 0.5398, 0.2910



27.8202, 0.5111, 0.3664



14.4291, 0.3252, 0.3229



9.7241, 0.5894, 0.3020

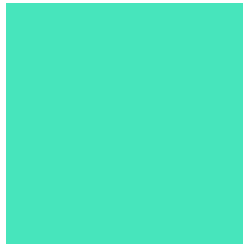


0.7335, 0.5478, 0.2792



# Previews

## White Background



This preview shows how the Yxy color 61.0091, 0.2513, 0.3862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

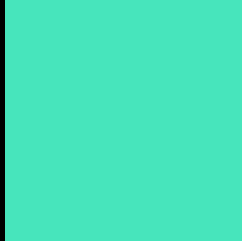
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0091, 0.2513, 0.3862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

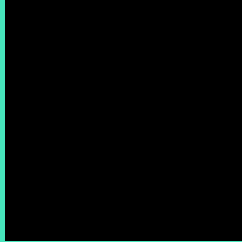
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

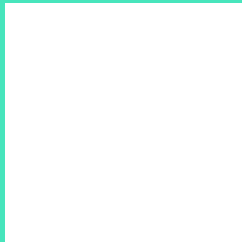
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.0091, 0.2513, 0.3862**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0091, 0.2513, 0.3862.



This preview shows how white text looks on a background with the Yxy color 61.0091, 0.2513, 0.3862.

# 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

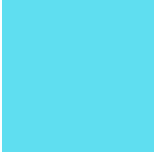
61.0091, 0.2513, 0.3862

### Protanopia

59.9140, 0.3421, 0.3631

### Deuteranopia

59.5887, 0.3378, 0.3302



## **Tritanopia**

60.9667, 0.2337, 0.3059

# Trichromacy



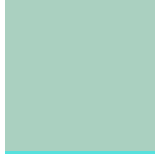
## Original Color

61.0091, 0.2513, 0.3862



## Protanomaly

57.9187, 0.2979, 0.3720



## Deuteranomaly

57.4636, 0.2957, 0.3493



## Tritanomaly

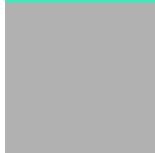
61.0493, 0.2398, 0.3341

# Monochromacy



## Original Color

61.0091, 0.2513, 0.3862



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.2193, 0.2799, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0091, 0.2513, 0.3862 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(71, 229, 188)` looks like.

```
.text, #text, p{  
    color:rgb(71, 229, 188)  
}
```

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(71, 229, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 229, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0091, 0.2513, 0.3862 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(71, 229, 188) }
```

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

```
.border{ border-color:rgb(71, 229, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 229, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 229, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 229, 188);  
box-shadow:4px 4px 4px 4px rgb(71, 229,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0091, 0.2513, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 229, 188) }
```

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

```
.background{ background-color: rgb(71, 229,  
188) }
```

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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