

# Converting Colors

$Yxy(60.9924, 0.2413, 0.3518)$

Have a look what the booklet for  
Yxy(60.9924, 0.2413, 0.3518)  
contains.

<b>Yxy(61.0078, 0.2413, 0.3518)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.0078, 0.2413, 0.3518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49E3D2
RGB	73, 227, 210
RGB Percent	29%, 89%, 82%
CMY	0.7142, 0.1098, 0.1763
CMYK	0.68, 0.00, 0.07, 0.11
HSL	173°, 73%, 59%
HSV	173°, 68%, 89%
XYZ	41.8453, 61.0078, 70.5630
YIQ	179.0160, -86.3270, -37.9350

# Conversions

## Conversions Part 2

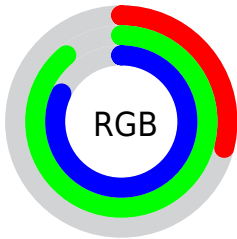
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 154, 227
Decimal	4842450
CIELab	82.38, -43.69, -3.45
CIELCh	82, 43.830, 184.514
Yxy	61.0078, 0.2413, 0.3518
Android (android.graphics.Color)	4283032530 (0xFF49E3D2)
YUV	179.0160, 15.2751, -92.9760
Hunter-Lab	78.1075, -41.0585, 1.1121

# Details

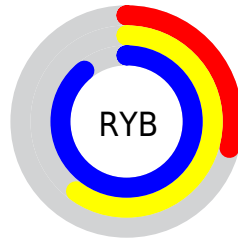
The Yxy color **61.0078, 0.2413, 0.3518** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.8172, 0.5152, 0.3131**, and the grayscale version is **45.0240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **31.5261, 0.2322, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **60.1574, 0.2372, 0.3556**, and if you desaturate by 10%, it is **62.1881, 0.2473, 0.3480**.

# Distribution



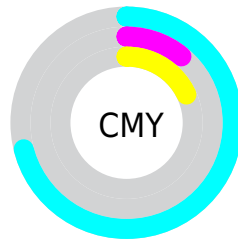
- Red (29%)
- Green (89%)
- Blue (82%)



- Red (29%)
- Yellow (60%)
- Blue (89%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (71%)
- Magenta (11%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0078, 0.2413, 0.3518 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 61.0078, 0.2413, 0.3518 by changing the saturation by 10% instead.




 61.0078, 0.2413,  
0.3518


 61.0078, 0.2413,  
0.3518


428.3026, 0.2749,  
0.3414

 44.2315, 0.2335,  
0.3541

 106.2902, 0.2530,  
0.3482


 30.8525, 0.2239,  
0.3569

 135.5651, 0.2576,  
0.3468

 20.4866, 0.2117,  
0.3604


 169.7750, 0.2615,  
0.3456

 12.7492, 0.1957,  
0.3648

 209.3042, 0.2649,  
0.3446

 7.2561, 0.1739,  
0.3705

254.5372, 0.2678,  
0.3436

 3.6228, 0.1431,  
0.3778

305.8583, 0.2705,

 1.4649, 0.0646,

0.3428

0.4005

363.6520, 0.2728,  
0.3421

■ 0.2638, 0.0000,  
0.3330

■ 0.0000, 0.0000,  
0.0000

■ 61.0078, 0.2413,  
0.3518

■ 61.0078, 0.2413,  
0.3518

■ 60.1574, 0.2372,  
0.3556

■ 62.1881, 0.2473,  
0.3480

■ 59.5925, 0.2350,  
0.3595

■ 63.7228, 0.2553,  
0.3443

■ 59.2640, 0.2345,  
0.3633


■ 65.6423, 0.2649,  
0.3407


■ 59.2082, 0.2345,  
0.3640


■ 67.9715, 0.2761,  
0.3373

 70.7334, 0.2884,  
0.3341

 73.9493, 0.3017,  
0.3311

 77.6391, 0.3157,  
0.3285

 81.8214, 0.3300,  
0.3260

 82.0605, 0.3287,  
0.3236

# Harmonies

## Analogous

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



61.0078, 0.2865, 0.4044



61.0078, 0.2413, 0.3518



61.0078, 0.2161, 0.2969

# Triad

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



61.0078, 0.2413, 0.3518



61.0078, 0.2770, 0.2457



61.0078, 0.4208, 0.3885

# Complementary

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



61.0078, 0.2413, 0.3518



21.8172, 0.5152, 0.3131

# 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.



61.0078, 0.4200, 0.3458



61.0078, 0.2413, 0.3518



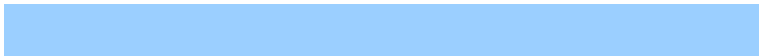
61.0078, 0.3325, 0.2677

# Square

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



61.0078, 0.2413, 0.3518



61.0078, 0.2353, 0.2416



61.0078, 0.3866, 0.3031



61.0078, 0.3908, 0.4214



# Rectangle

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



61.0078, 0.2413, 0.3518



61.0078, 0.2122, 0.2688



61.0078, 0.3866, 0.3031



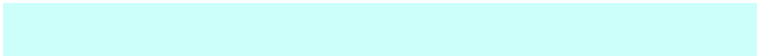
61.0078, 0.4243, 0.3748

# Sweetspot

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



61.0101, 0.2413, 0.3518



91.2208, 0.2856, 0.3348



57.6401, 0.3102, 0.5423



19.3026, 0.2821, 0.3357



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.



61.0101, 0.2413, 0.3518



77.9997, 0.2362, 0.3570



34.9361, 0.2134, 0.2437



16.3076, 0.2996, 0.3316



34.5377, 0.2343, 0.3635



2.5601, 0.2328, 0.3579



# Inverse Universe

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



21.8172, 0.5152, 0.3131



23.8684, 0.5746, 0.3156



33.3040, 0.4840, 0.3919



14.3937, 0.3275, 0.3264



9.5735, 0.6265, 0.3225

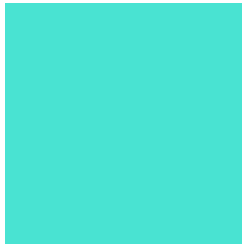


0.7161, 0.5971, 0.3063



# Previews

## White Background



This preview shows how the Yxy color 61.0078, 0.2413, 0.3518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

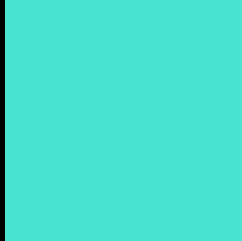
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0078, 0.2413, 0.3518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

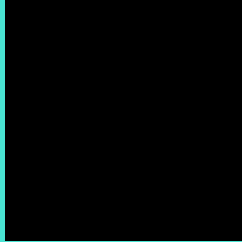
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

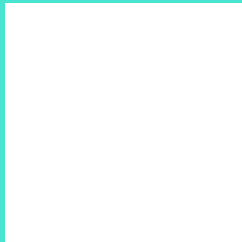
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.0078, 0.2413, 0.3518**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0078, 0.2413, 0.3518.

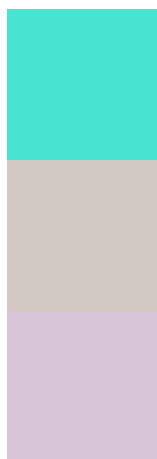


This preview shows how white text looks on a background with the Yxy color 61.0078, 0.2413, 0.3518.

# 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

61.0078, 0.2413, 0.3518

### Protanopia

59.7819, 0.3225, 0.3360

### Deuteranopia

59.6421, 0.3145, 0.3076



## Tritanopia

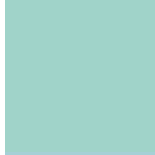
61.2009, 0.2314, 0.3059

# Trichromacy



## Original Color

61.0078, 0.2413, 0.3518



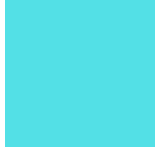
## Protanomaly

58.2792, 0.2834, 0.3417



## Deuteranomaly

57.9661, 0.2784, 0.3214



## Tritanomaly

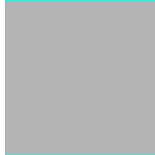
60.8635, 0.2347, 0.3210

# Monochromacy



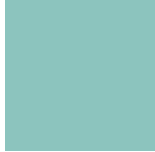
## Original Color

61.0078, 0.2413, 0.3518



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

48.7730, 0.2755, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0078, 0.2413, 0.3518 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(73, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(73, 227, 210)  
}
```

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(73, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 227, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0078, 0.2413, 0.3518 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(73, 227, 210) }
```

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

```
.border{ border-color:rgb(73, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(73, 227,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0078, 0.2413, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 227, 210) }
```

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

```
.background{ background-color: rgb(73, 227,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor