

# Converting Colors

$Yxy(61.5626, 0.2409, 0.3637)$

Have a look what the booklet for  
Yxy(61.5626, 0.2409, 0.3637)  
contains.

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# Color

**Yxy(61.8231, 0.2410, 0.3645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39E6CC
RGB	57, 230, 204
RGB Percent	22%, 90%, 80%
CMY	0.7772, 0.0980, 0.2000
CMYK	0.75, 0.00, 0.11, 0.10
HSL	171°, 78%, 56%
HSV	171°, 75%, 90%
XYZ	40.8762, 61.8231, 66.9114
YIQ	175.3090, -94.7620, -44.7620

# Conversions

## Conversions Part 2

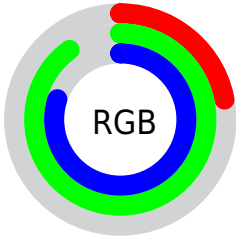
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 151, 230
Decimal	3794636
CIELab	82.82, -48.53, 0.34
CIELCh	83, 48.536, 179.597
Yxy	61.8231, 0.2410, 0.3645
Android (android.graphics.Color)	4281984716 (0xFF39E6CC)
YUV	175.3090, 14.1447, -103.7570
Hunter-Lab	78.6277, -44.8016, 4.5841

# Details

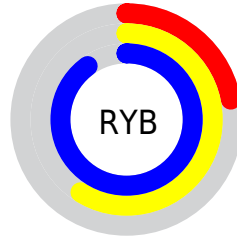
The Yxy color **61.8231, 0.2410, 0.3645** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **20.3555, 0.5385, 0.3075**, and the grayscale version is **42.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **32.0891, 0.2364, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **61.1340, 0.2386, 0.3699**, and if you desaturate by 10%, it is **62.8262, 0.2453, 0.3591**.

# Distribution



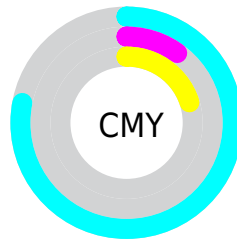
- Red (22%)
- Green (90%)
- Blue (80%)



- Red (22%)
- Yellow (59%)
- Blue (90%)



- Cyan (75%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)




- Cyan (78%)
- Magenta (10%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8231, 0.2410, 0.3645 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 61.8231, 0.2410, 0.3645 by changing the saturation by 10% instead.



 61.8231, 0.2410,  
0.3645


 61.8231, 0.2410,  
0.3645


431.2855, 0.2748,  
0.3477

 44.8898, 0.2332,  
0.3684

 107.4698, 0.2528,  
0.3586


 31.3706, 0.2234,  
0.3732


 136.9520, 0.2574,  
0.3564

 20.8812, 0.2110,  
0.3794

 171.3859, 0.2614,  
0.3544

 13.0372, 0.1947,  
0.3875

 211.1560, 0.2648,  
0.3527

 7.4542, 0.1725,  
0.3986

256.6466, 0.2678,  
0.3512

 3.7477, 0.1410,  
0.4145

308.2421, 0.2704,

 1.5335, 0.0492,

0.3499

0.4601

366.3270, 0.2727,  
0.3488

■ 0.3121, 0.0000,  
0.4969

■ 0.0000, 0.0000,  
0.0000

■ 61.8231, 0.2410,  
0.3645

■ 61.8231, 0.2410,  
0.3645

■ 61.1340, 0.2386,  
0.3699

■ 62.8262, 0.2453,  
0.3591

■ 60.7066, 0.2381,  
0.3752


■ 64.1729, 0.2516,  
0.3539


■ 60.5626, 0.2382,  
0.3777

■ 65.8970, 0.2596,  
0.3487


■ 68.0267, 0.2694,  
0.3438

 70.5871, 0.2805,  
0.3392

 73.6015, 0.2926,  
0.3349

 77.0916, 0.3056,  
0.3309

 81.0774, 0.3191,  
0.3274

 83.8641, 0.3267,  
0.3240

# Harmonies

## Analogous

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



61.8231, 0.2929, 0.4203



61.8231, 0.2410, 0.3645



61.8231, 0.2099, 0.3020

# Triad

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



61.8231, 0.2410, 0.3645



61.8231, 0.2645, 0.2361



61.8231, 0.4339, 0.3858

# Complementary

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



61.8231, 0.2410, 0.3645



20.3555, 0.5385, 0.3075

# 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.



61.8231, 0.4274, 0.3387



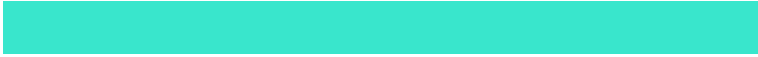
61.8231, 0.2410, 0.3645



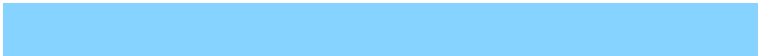
61.8231, 0.3237, 0.2571

# Square

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



61.8231, 0.2410, 0.3645



61.8231, 0.2227, 0.2349



61.8231, 0.3854, 0.2933



61.8231, 0.4053, 0.4254

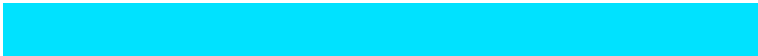


# Rectangle

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



61.8231, 0.2410, 0.3645



61.8231, 0.2031, 0.2690



61.8231, 0.3854, 0.2933



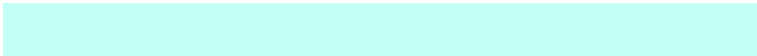
61.8231, 0.4360, 0.3704

# Sweetspot

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



61.8255, 0.2410, 0.3645



89.9685, 0.2830, 0.3382



58.8579, 0.3123, 0.5596



18.9819, 0.2788, 0.3399



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.



61.8255, 0.2410, 0.3645



76.9293, 0.2382, 0.3726



36.1911, 0.2090, 0.2459



16.2972, 0.3001, 0.3325



34.2974, 0.2380, 0.3768



2.5446, 0.2359, 0.3691



# Inverse Universe

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



20.3555, 0.5385, 0.3075



22.3026, 0.5969, 0.3139



29.2782, 0.5181, 0.3845



14.4031, 0.3269, 0.3255



9.6024, 0.6189, 0.3183

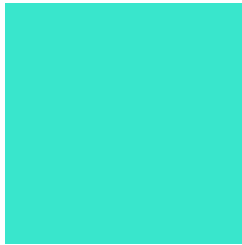


0.7206, 0.5833, 0.2987



# Previews

## White Background



This preview shows how the Yxy color 61.8231, 0.2410, 0.3645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

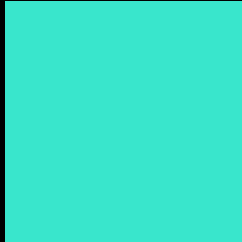
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8231, 0.2410, 0.3645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

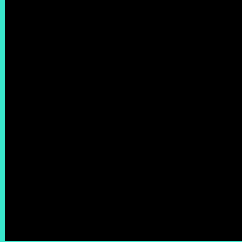
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

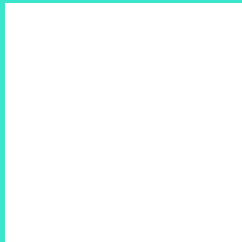
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.8231, 0.2410, 0.3645**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8231, 0.2410, 0.3645.

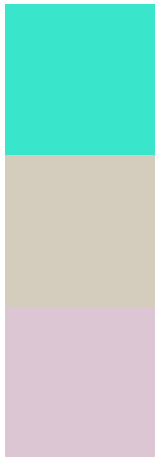


This preview shows how white text looks on a background with the Yxy color 61.8231, 0.2410, 0.3645.

# 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

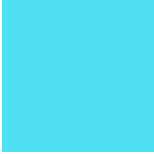
61.8231, 0.2410, 0.3645

### Protanopia

60.8569, 0.3299, 0.3465

### Deuteranopia

60.4635, 0.3213, 0.3145



## Tritanopia

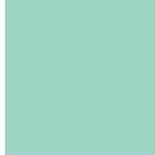
61.4878, 0.2286, 0.3046

# Trichromacy



## Original Color

61.8231, 0.2410, 0.3645



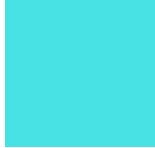
## Protanomaly

58.5515, 0.2852, 0.3535



## Deuteranomaly

58.2243, 0.2797, 0.3314



## Tritanomaly

61.4276, 0.2327, 0.3248

# Monochromacy



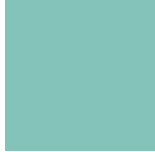
## Original Color

61.8231, 0.2410, 0.3645



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

47.4809, 0.2726, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8231, 0.2410, 0.3645 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(57, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(57, 230, 204)  
}
```

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(57, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 230, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8231, 0.2410, 0.3645 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(57, 230, 204) }
```

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

```
.border{ border-color:rgb(57, 230, 204) }
```

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

Here you see how a box with a 4 pixel rgb(57, 230, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(57, 230,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8231, 0.2410, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 230, 204) }
```

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

```
.background{ background-color: rgb(57, 230,  
204) }
```

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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