

# Converting Colors

$Yxy(62.1629, 0.2448, 0.3464)$

Have a look what the booklet for  
Yxy(62.1629, 0.2448, 0.3464)  
contains.

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# Color

**Yxy(61.9669, 0.2447, 0.3461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AE3D6
RGB	90, 227, 214
RGB Percent	35%, 89%, 84%
CMY	0.6476, 0.1097, 0.1608
CMYK	0.60, 0.00, 0.06, 0.11
HSL	174°, 71%, 62%
HSV	174°, 60%, 89%
XYZ	43.8119, 61.9669, 73.2645
YIQ	184.5550, -77.4790, -33.0870

# Conversions

## Conversions Part 2

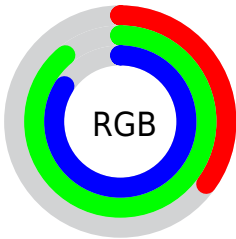
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 162, 227
Decimal	5956566
CIELab	82.90, -40.04, -4.75
CIElCh	83, 40.318, 186.761
Yxy	61.9669, 0.2447, 0.3461
Android (android.graphics.Color)	4284146646 (0xFF5AE3D6)
YUV	184.5550, 14.5164, -82.9247
Hunter-Lab	78.7191, -38.4123, -0.0784

# Details

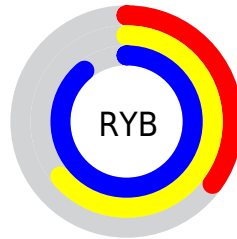
The Yxy color **61.9669, 0.2447, 0.3461** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.5998, 0.4847, 0.3157**, and the grayscale version is **48.1870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **31.6290, 0.2307, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **60.8921, 0.2390, 0.3494**, and if you desaturate by 10%, it is **63.3953, 0.2523, 0.3429**.

# Distribution



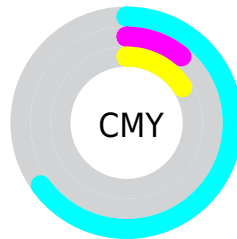
- Red (35%)
- Green (89%)
- Blue (84%)



- Red (35%)
- Yellow (64%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (65%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9669, 0.2447, 0.3461 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 61.9669, 0.2447, 0.3461 by changing the saturation by 10% instead.



 61.9669, 0.2447,  
0.3461


 61.9669, 0.2447,  
0.3461


431.8103, 0.2766,  
0.3385

 45.0060, 0.2374,  
0.3477


 107.6777, 0.2558,  
0.3435

 31.4621, 0.2283,  
0.3497


 137.1963, 0.2601,  
0.3425

 20.9510, 0.2167,  
0.3521


 171.6696, 0.2638,  
0.3416

 13.0882, 0.2016,  
0.3550

 211.4820, 0.2670,  
0.3409

 7.4893, 0.1812,  
0.3586

257.0179, 0.2699,  
0.3402

 3.7699, 0.1521,  
0.3628

308.6617, 0.2724,

 1.5457, 0.0918,

0.3396

0.3737

366.7977, 0.2746,  
0.3390

■ 0.3206, 0.0000,  
0.3201

■ 0.0000, 0.0000,  
0.0000

■ 61.9669, 0.2447,  
0.3461

■ 61.9669, 0.2447,  
0.3461

■ 60.8921, 0.2390,  
0.3494

■ 63.3953, 0.2523,  
0.3429

■ 60.1308, 0.2353,  
0.3526


■ 65.1987, 0.2616,  
0.3398

■ 59.6464, 0.2335,  
0.3559


■ 67.4054, 0.2726,  
0.3368


■ 59.3779, 0.2331,  
0.3590


■ 70.0387, 0.2848,  
0.3340

 73.1203, 0.2981,  
0.3315

 76.6704, 0.3121,  
0.3291

 80.7080, 0.3266,  
0.3270

 81.9909, 0.3295,  
0.3249

 82.1136, 0.3281,  
0.3227

# Harmonies

## Analogous

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



61.9669, 0.2854, 0.3944



61.9669, 0.2447, 0.3461



61.9669, 0.2227, 0.2967

# Triad

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



61.9669, 0.2447, 0.3461



61.9669, 0.2836, 0.2529



61.9669, 0.4107, 0.3871

# Complementary

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



61.9669, 0.2447, 0.3461



24.5998, 0.4847, 0.3157

# 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.



61.9669, 0.4120, 0.3482



61.9669, 0.2447, 0.3461



61.9669, 0.3350, 0.2745

# Square

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



61.9669, 0.2447, 0.3461



61.9669, 0.2437, 0.2480



61.9669, 0.3835, 0.3082



61.9669, 0.3818, 0.4155



# Rectangle

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



61.9669, 0.2447, 0.3461



61.9669, 0.2201, 0.2717



61.9669, 0.3835, 0.3082



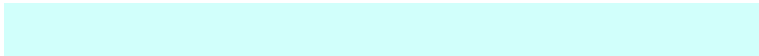
61.9669, 0.4145, 0.3748

# Sweetspot

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



61.9693, 0.2447, 0.3461



92.0323, 0.2878, 0.3334



58.6015, 0.3104, 0.5200



19.4628, 0.2840, 0.3342



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.



61.9693, 0.2447, 0.3461



79.0223, 0.2381, 0.3500



37.2780, 0.2216, 0.2514



16.3116, 0.2994, 0.3312



34.6328, 0.2329, 0.3585



2.5662, 0.2316, 0.3538



# Inverse Universe

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



24.5998, 0.4847, 0.3157



26.5360, 0.5395, 0.3159



37.2362, 0.4572, 0.3904



14.3901, 0.3278, 0.3268



9.5645, 0.6289, 0.3238

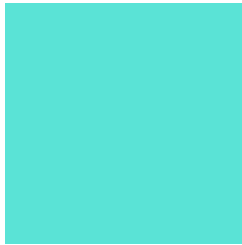


0.7144, 0.6026, 0.3093



# Previews

## White Background



This preview shows how the Yxy color 61.9669, 0.2447, 0.3461 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

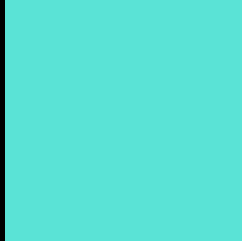
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.9669, 0.2447, 0.3461 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 61.9669, 0.2447, 0.3461**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9669, 0.2447, 0.3461.

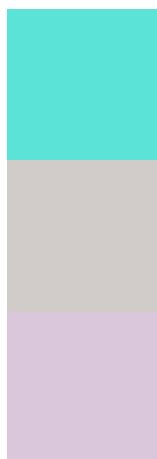


This preview shows how white text looks on a background with the Yxy color 61.9669, 0.2447, 0.3461.

# 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

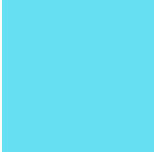
61.9669, 0.2447, 0.3461

### Protanopia

60.9581, 0.3187, 0.3325

### Deuteranopia

60.9196, 0.3123, 0.3056



## **Tritanopia**

61.8929, 0.2356, 0.3061

# Trichromacy



## Original Color

61.9669, 0.2447, 0.3461



## Protanomaly

59.6502, 0.2843, 0.3364



## Deuteranomaly

59.3208, 0.2800, 0.3179



## Tritanomaly

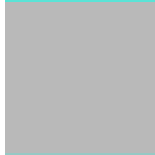
61.6222, 0.2388, 0.3198

# Monochromacy



## Original Color

61.9669, 0.2447, 0.3461



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.7781, 0.2788, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9669, 0.2447, 0.3461 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(90, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(90, 227, 214)  
}
```

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(90, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 227, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9669, 0.2447, 0.3461 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(90, 227, 214) }
```

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

```
.border{ border-color:rgb(90, 227, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 227, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(90, 227,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9669, 0.2447, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 227, 214) }
```

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

```
.background{ background-color: rgb(90, 227,  
214) }
```

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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