

# Converting Colors

$Yxy(61.6182, 0.2422, 0.3499)$

Have a look what the booklet for  
Yxy(61.6182, 0.2422, 0.3499)  
contains.

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# Color

**Yxy(61.8600, 0.2422, 0.3503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EE4D4
RGB	78, 228, 212
RGB Percent	31%, 89%, 83%
CMY	0.6939, 0.1059, 0.1687
CMYK	0.66, 0.00, 0.07, 0.11
HSL	174°, 74%, 60%
HSV	174°, 66%, 89%
XYZ	42.7705, 61.8600, 71.9610
YIQ	181.3260, -84.2640, -36.7760

# Conversions

## Conversions Part 2

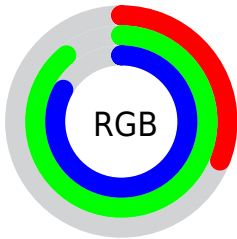
Format	Color
<a href="#">RYB</a>	<a href="#">78, 157, 228</a>
Decimal	<a href="#">5170388</a>
CIELab	<a href="#">82.84, -42.88, -3.80</a>
CIElCh	<a href="#">83, 43.045, 185.064</a>
Yxy	<a href="#">61.8600, 0.2422, 0.3503</a>
Android (android.graphics.Color)	<a href="#">4283360468 (0xFF4EE4D4)</a>
YUV	<a href="#">181.3260, 15.1223, -90.6169</a>
Hunter-Lab	<a href="#">78.6511, -40.5712, 0.8090</a>

# Details

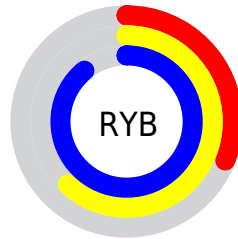
The Yxy color **61.8600, 0.2422, 0.3503** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7614, 0.5063, 0.3136**, and the grayscale version is **46.3543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **31.9737, 0.2317, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **60.9377, 0.2377, 0.3540**, and if you desaturate by 10%, it is **63.1227, 0.2487, 0.3466**.

# Distribution



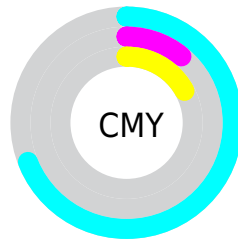
- Red (31%)
- Green (89%)
- Blue (83%)



- Red (31%)
- Yellow (62%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8600, 0.2422, 0.3503 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 61.8600, 0.2422, 0.3503 by changing the saturation by 10% instead.




 61.8600, 0.2422,  
0.3503

 61.8600, 0.2422,  
0.3503


431.4202, 0.2753,  
0.3407

 44.9196, 0.2346,  
0.3524


 107.5232, 0.2537,  
0.3470

 31.3941, 0.2251,  
0.3550


 137.0147, 0.2582,  
0.3457

 20.8991, 0.2132,  
0.3582


 171.4587, 0.2621,  
0.3446

 13.0503, 0.1975,  
0.3622

 211.2397, 0.2654,  
0.3436

 7.4632, 0.1763,  
0.3673

256.7419, 0.2683,  
0.3427

 3.7534, 0.1462,  
0.3737

308.3498, 0.2709,

 1.5366, 0.0775,

0.3420

366.4478, 0.2732,  
0.3413

0.3912

0.3143, 0.0000,  
0.3408

0.0000, 0.0000,  
0.0000

61.8600, 0.2422,  
0.3503

61.8600, 0.2422,  
0.3503

60.9377, 0.2377,  
0.3540

63.1227, 0.2487,  
0.3466

60.3124, 0.2351,  
0.3577

64.7496, 0.2570,  
0.3430

59.9419, 0.2342,  
0.3614


66.7707, 0.2670,  
0.3396


59.8300, 0.2342,  
0.3629

69.2108, 0.2785,  
0.3363

 72.0927, 0.2911,  
0.3333

 75.4377, 0.3047,  
0.3305

 79.2654, 0.3187,  
0.3280

 82.5435, 0.3293,  
0.3256

 82.6825, 0.3277,  
0.3232

# Harmonies

## Analogous

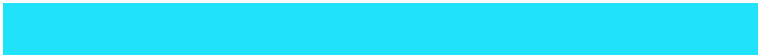
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.8600, 0.2862, 0.4017



61.8600, 0.2422, 0.3503



61.8600, 0.2178, 0.2969

# Triad

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



61.8600, 0.2422, 0.3503



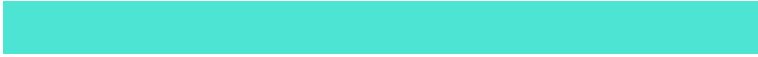
61.8600, 0.2787, 0.2476



61.8600, 0.4181, 0.3882

# Complementary

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



61.8600, 0.2422, 0.3503



22.7614, 0.5063, 0.3136

# 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.



61.8600, 0.4179, 0.3464



61.8600, 0.2422, 0.3503



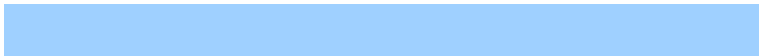
61.8600, 0.3331, 0.2694

# Square

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



61.8600, 0.2422, 0.3503



61.8600, 0.2374, 0.2433



61.8600, 0.3858, 0.3044



61.8600, 0.3885, 0.4199



# Rectangle

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



61.8600, 0.2422, 0.3503



61.8600, 0.2143, 0.2696



61.8600, 0.3858, 0.3044



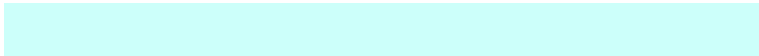
61.8600, 0.4217, 0.3748

# Sweetspot

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



61.8624, 0.2422, 0.3503



91.2314, 0.2855, 0.3346



58.5011, 0.3106, 0.5361



19.3052, 0.2820, 0.3355



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.



61.8624, 0.2422, 0.3503



78.2025, 0.2365, 0.3554



36.1704, 0.2159, 0.2469



16.3085, 0.2996, 0.3315



34.5583, 0.2340, 0.3624



2.5614, 0.2325, 0.3570



# Inverse Universe

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



22.7614, 0.5063, 0.3136



24.3656, 0.5672, 0.3155



34.5239, 0.4769, 0.3910



14.3929, 0.3276, 0.3265



9.5715, 0.6271, 0.3228

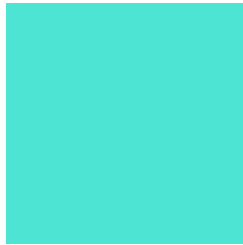


0.7157, 0.5983, 0.3069



# Previews

## White Background



This preview shows how the Yxy color 61.8600, 0.2422, 0.3503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

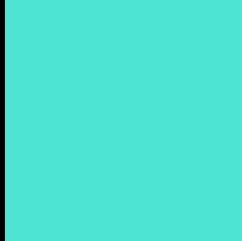
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8600, 0.2422, 0.3503 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

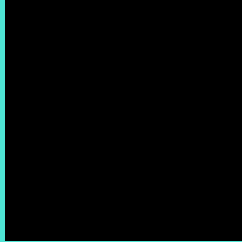
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

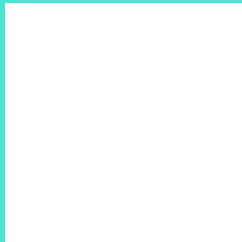
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.8600, 0.2422, 0.3503**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8600, 0.2422, 0.3503.

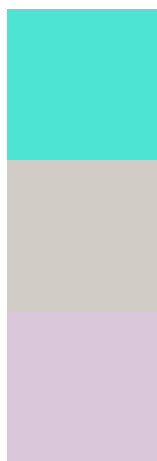


This preview shows how white text looks on a background with the Yxy color 61.8600, 0.2422, 0.3503.

# 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

61.8600, 0.2422, 0.3503

### Protanopia

60.9646, 0.3217, 0.3360

### Deuteranopia

60.8142, 0.3137, 0.3078



## Tritanopia

61.9974, 0.2325, 0.3060

# Trichromacy



## Original Color

61.8600, 0.2422, 0.3503



## Protanomaly

59.5817, 0.2836, 0.3415



## Deuteranomaly

59.2665, 0.2787, 0.3215



## Tritanomaly

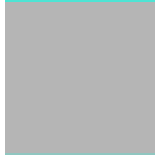
61.6462, 0.2358, 0.3210

# Monochromacy



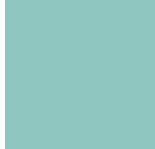
## Original Color

61.8600, 0.2422, 0.3503



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

50.1232, 0.2771, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8600, 0.2422, 0.3503 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(78, 228, 212)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 212)  
}
```

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(78, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8600, 0.2422, 0.3503 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(78, 228, 212) }
```

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

```
.border{ border-color:rgb(78, 228, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8600, 0.2422, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 212) }
```

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

```
.background{ background-color: rgb(78, 228,  
212) }
```

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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