

# Converting Colors

$Yxy(62.1933, 0.2393, 0.3496)$

Have a look what the booklet for  
Yxy(62.1933, 0.2393, 0.3496)  
contains.

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# Color

**Yxy(62.1589, 0.2392, 0.3489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45E5D6
RGB	69, 229, 214
RGB Percent	27%, 90%, 84%
CMY	0.7292, 0.1020, 0.1607
CMYK	0.70, 0.00, 0.07, 0.10
HSL	174°, 75%, 58%
HSV	174°, 70%, 90%
XYZ	42.6151, 62.1589, 73.3828
YIQ	179.4500, -90.5450, -38.5850

# Conversions

## Conversions Part 2

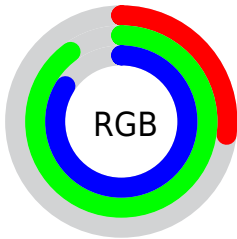
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 153, 229
Decimal	4580822
CIELab	83.00, -44.03, -4.66
CIELCh	83, 44.273, 186.048
Yxy	62.1589, 0.2392, 0.3489
Android (android.graphics.Color)	4282770902 (0xFF45E5D6)
YUV	179.4500, 17.0332, -96.8646
Hunter-Lab	78.8409, -41.4888, 0.0033

# Details

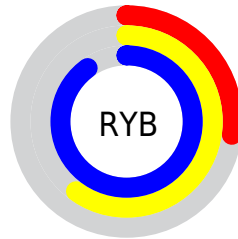
The Yxy color **62.1589, 0.2392, 0.3489** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.5604, 0.5281, 0.3159**, and the grayscale version is **45.2839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **32.3903, 0.2316, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **61.3697, 0.2354, 0.3521**, and if you desaturate by 10%, it is **63.2772, 0.2450, 0.3457**.

# Distribution



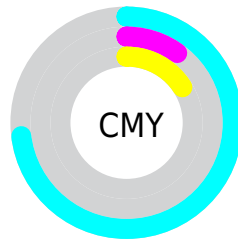
- Red (27%)
- Green (90%)
- Blue (84%)



- Red (27%)
- Yellow (60%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)




- Cyan (73%)
- Magenta (10%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1589, 0.2392, 0.3489 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 62.1589, 0.2392, 0.3489 by changing the saturation by 10% instead.




 62.1589, 0.2392,  
0.3489

 62.1589, 0.2392,  
0.3489


432.5105, 0.2736,  
0.3400

 45.1611, 0.2313,  
0.3508


 107.9552, 0.2512,  
0.3459


 31.5843, 0.2215,  
0.3531


 137.5224, 0.2558,  
0.3447

 21.0442, 0.2092,  
0.3559


 172.0483, 0.2598,  
0.3437

 13.1563, 0.1931,  
0.3593

 211.9171, 0.2633,  
0.3428

 7.5363, 0.1714,  
0.3635

257.5134, 0.2663,  
0.3420

 3.7997, 0.1408,  
0.3685

309.2214, 0.2690,

 1.5622, 0.0718,

0.3413

0.3831

367.4257, 0.2714,  
0.3406

■ 0.3319, 0.0000,  
0.3256

■ 0.0000, 0.0000,  
0.0000

■ 62.1589, 0.2392,  
0.3489

■ 62.1589, 0.2392,  
0.3489

■ 61.3697, 0.2354,  
0.3521

■ 63.2772, 0.2450,  
0.3457

■ 60.8631, 0.2334,  
0.3553


■ 64.7509, 0.2527,  
0.3425

■ 60.5743, 0.2329,  
0.3585


■ 66.6113, 0.2621,  
0.3395


■ 60.5704, 0.2329,  
0.3586


■ 68.8847, 0.2732,  
0.3366

 71.5949, 0.2855,  
0.3338

 74.7639, 0.2989,  
0.3313

 78.4122, 0.3129,  
0.3290

 82.5592, 0.3274,  
0.3269

 83.1998, 0.3280,  
0.3248

# Harmonies

## Analogous

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



62.1589, 0.2837, 0.4025



62.1589, 0.2392, 0.3489



62.1589, 0.2151, 0.2943

# Triad

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



62.1589, 0.2392, 0.3489



62.1589, 0.2795, 0.2461



62.1589, 0.4203, 0.3907

# Complementary

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



62.1589, 0.2392, 0.3489



21.5604, 0.5281, 0.3159

# 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.



62.1589, 0.4213, 0.3481



62.1589, 0.2392, 0.3489



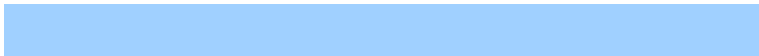
62.1589, 0.3355, 0.2690

# Square

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



62.1589, 0.2392, 0.3489



62.1589, 0.2367, 0.2410



62.1589, 0.3893, 0.3051



62.1589, 0.3889, 0.4229

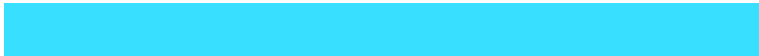


# Rectangle

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



62.1589, 0.2392, 0.3489



62.1589, 0.2120, 0.2668



62.1589, 0.3893, 0.3051



62.1589, 0.4244, 0.3771

# Sweetspot

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



62.1613, 0.2392, 0.3489



90.9012, 0.2839, 0.3342



58.4018, 0.3086, 0.5488



19.2430, 0.2804, 0.3349



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.



62.1613, 0.2392, 0.3489



77.9821, 0.2342, 0.3536



33.8409, 0.2102, 0.2367



16.3119, 0.2994, 0.3312



34.6411, 0.2328, 0.3581



2.5667, 0.2315, 0.3534



# Inverse Universe

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



21.5604, 0.5281, 0.3159



23.1675, 0.5901, 0.3189



33.8708, 0.4879, 0.3956



14.3898, 0.3278, 0.3268



9.5638, 0.6291, 0.3239

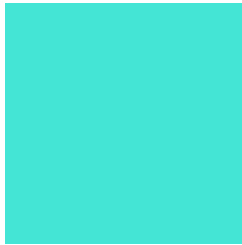


0.7143, 0.6030, 0.3096



# Previews

## White Background



This preview shows how the Yxy color 62.1589, 0.2392, 0.3489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

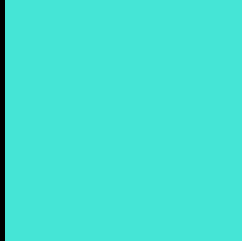
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1589, 0.2392, 0.3489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

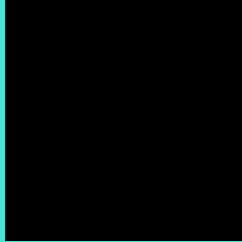
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

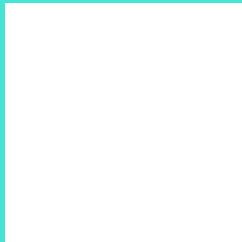
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.1589, 0.2392, 0.3489**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1589, 0.2392, 0.3489.

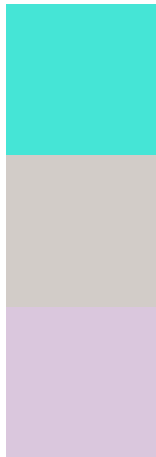


This preview shows how white text looks on a background with the Yxy color 62.1589, 0.2392, 0.3489.

# 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

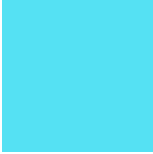
62.1589, 0.2392, 0.3489

### Protanopia

61.0575, 0.3202, 0.3337

### Deuteranopia

60.9727, 0.3116, 0.3045



## **Tritanopia**

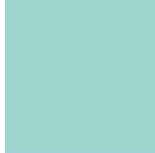
62.2528, 0.2303, 0.3060

# Trichromacy



## Original Color

62.1589, 0.2392, 0.3489



## Protanomaly

59.3672, 0.2805, 0.3390



## Deuteranomaly

59.0477, 0.2756, 0.3190



## Tritanomaly

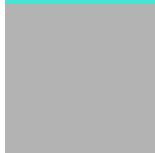
61.8812, 0.2333, 0.3210

# Monochromacy



## Original Color

62.1589, 0.2392, 0.3489



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

49.2272, 0.2737, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1589, 0.2392, 0.3489 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(69, 229, 214)` looks like.

```
.text, #text, p{  
    color:rgb(69, 229, 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(69, 229, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 229, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1589, 0.2392, 0.3489 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(69, 229, 214) }
```

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

```
.border{ border-color:rgb(69, 229, 214) }
```

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

Here you see how a box with a 4 pixel rgb(69, 229, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 229, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 229, 214);  
box-shadow:4px 4px 4px 4px rgb(69, 229,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1589, 0.2392, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 229, 214) }
```

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

```
.background{ background-color: rgb(69, 229,  
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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