

# Converting Colors

$Yxy(60.4906, 0.2362, 0.3701)$

Have a look what the booklet for  
Yxy(60.4906, 0.2362, 0.3701)  
contains.

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# Color

**Yxy(60.2152, 0.2361, 0.3696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02E5C8
RGB	2, 229, 200
RGB Percent	1%, 90%, 78%
CMY	0.9925, 0.1020, 0.2157
CMYK	0.99, 0.00, 0.13, 0.10
HSL	172°, 98%, 45%
HSV	172°, 99%, 90%
XYZ	38.4654, 60.2152, 64.2393
YIQ	157.8210, -125.9830, -57.1430

# Conversions

## Conversions Part 2

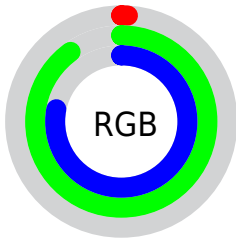
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	2, 123, 229
Decimal	189896
CIE Lab	81.96, -52.38, 1.15
CIE LCh	82, 52.392, 178.747
Yxy	60.2152, 0.2361, 0.3696
Android (android.graphics.Color)	4278379976 (0xFF02E5C8)
YUV	157.8210, 20.7942, -136.6550
Hunter-Lab	77.5985, -47.3152, 5.2361

# Details

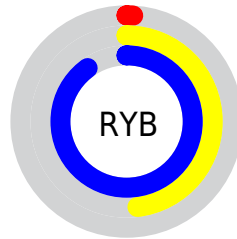
The Yxy color **60.2152, 0.2361, 0.3696** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **16.7972, 0.6242, 0.3218**, and the grayscale version is **34.0407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **31.5804, 0.2381, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **60.1936, 0.2361, 0.3700**, and if you desaturate by 10%, it is **60.5475, 0.2363, 0.3652**.

# Distribution



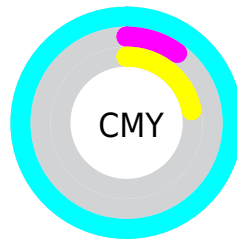
- Red (1%)
- Green (90%)
- Blue (78%)



- Red (1%)
- Yellow (48%)
- Blue (90%)



- Cyan (99%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)




- Cyan (99%)
- Magenta (10%)
- Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2152, 0.2361, 0.3696 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 60.2152, 0.2361, 0.3696 by changing the saturation by 10% instead.





 60.2152, 0.2361,  
0.3696


 60.2152, 0.2361,  
0.3696


 425.3905, 0.2724,  
0.3503


 43.5921, 0.2276,  
0.3741


 105.1418, 0.2488,  
0.3628


 30.3500, 0.2171,  
0.3798


 134.2141, 0.2538,  
0.3602


 20.1044, 0.2037,  
0.3871

 168.2049, 0.2580,  
0.3579

 12.4709, 0.1861,  
0.3967

 207.4986, 0.2616,  
0.3560

 7.0653, 0.1621,  
0.4099

 252.4796, 0.2648,  
0.3543

 3.5029, 0.1281,  
0.4289

 303.5324, 0.2677,

 1.3996, 0.0000,

0.3528

0.4968

361.0412, 0.2702,  
0.3514

■ 0.2164, 0.0000,  
0.5818

■ 0.0000, 0.0000,  
0.0000

■ 60.2152, 0.2361,  
0.3696

■ 60.2152, 0.2361,  
0.3696

■ 60.1936, 0.2361,  
0.3700

■ 60.5475, 0.2363,  
0.3652

■ 61.1054, 0.2381,  
0.3607

■ 61.9524, 0.2419,  
0.3562

■ 63.1275, 0.2475,  
0.3517

■ 64.6636, 0.2551,  
0.3473

■ 66.5896, 0.2644,  
0.3431

■ 68.9314, 0.2752,  
0.3391

■ 71.7128, 0.2873,  
0.3354

■ 74.9557, 0.3002,  
0.3319

# Harmonies

## Analogous

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



60.2152, 0.2924, 0.4306



60.2152, 0.2361, 0.3696



60.2152, 0.2023, 0.3007

# Triad

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



60.2152, 0.2361, 0.3696



60.2152, 0.2587, 0.2287



60.2152, 0.4446, 0.3879

# Complementary

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



60.2152, 0.2361, 0.3696



16.7972, 0.6242, 0.3218

# 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.



60.2152, 0.4368, 0.3371



60.2152, 0.2361, 0.3696



60.2152, 0.3224, 0.2506

# Square

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



60.2152, 0.2361, 0.3696



60.2152, 0.2147, 0.2277



60.2152, 0.3900, 0.2889



60.2152, 0.4138, 0.4318



# Rectangle

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



60.2152, 0.2361, 0.3696



60.2152, 0.1947, 0.2647



60.2152, 0.3900, 0.2889



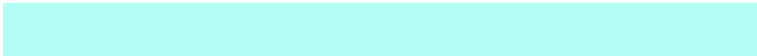
60.2152, 0.4466, 0.3712

# Sweetspot

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



60.2175, 0.2361, 0.3696



87.6510, 0.2741, 0.3395



56.3493, 0.3033, 0.5969



18.4804, 0.2694, 0.3412



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.



60.2175, 0.2361, 0.3696



76.8177, 0.2362, 0.3702



26.1452, 0.1900, 0.2036



16.3031, 0.2998, 0.3320



34.4306, 0.2359, 0.3693



2.5532, 0.2341, 0.3628



# Inverse Universe

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



16.7972, 0.6242, 0.3218



21.3673, 0.6268, 0.3227



23.1870, 0.5793, 0.3775



14.3978, 0.3272, 0.3260



9.5853, 0.6234, 0.3208

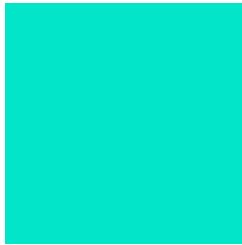


0.7181, 0.5909, 0.3029



# Previews

## White Background



This preview shows how the Yxy color 60.2152, 0.2361, 0.3696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

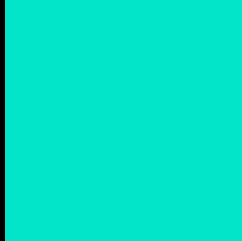
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2152, 0.2361, 0.3696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

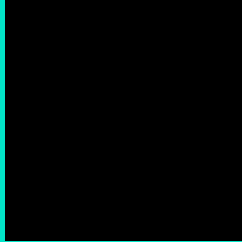
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

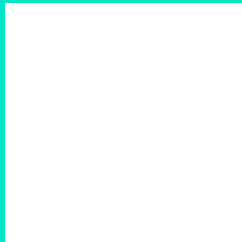
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.2152, 0.2361, 0.3696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2152, 0.2361, 0.3696.

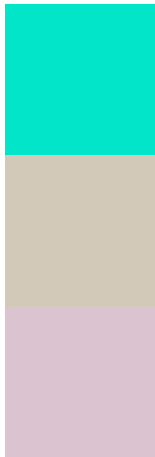


This preview shows how white text looks on a background with the Yxy color 60.2152, 0.2361, 0.3696.

# 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

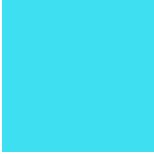
60.2217, 0.2361, 0.3696

### Protanopia

58.9777, 0.3317, 0.3479

### Deuteranopia

59.0449, 0.3228, 0.3166



## Tritanopia

60.1183, 0.2245, 0.3055

# Trichromacy



## Original Color

60.2217, 0.2361, 0.3696



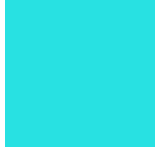
## Protanomaly

55.3746, 0.2737, 0.3573



## Deuteranomaly

55.0468, 0.2687, 0.3342



## Tritanomaly

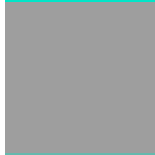
59.7925, 0.2274, 0.3274

# Monochromacy



## Original Color

60.2217, 0.2361, 0.3696



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

40.0648, 0.2595, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2152, 0.2361, 0.3696 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(2, 229, 200)` looks like.

```
.text, #text, p{  
    color:rgb(2, 229, 200)  
}
```

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(2, 229, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 229, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2152, 0.2361, 0.3696 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(2, 229, 200) }
```

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

```
.border{ border-color:rgb(2, 229, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 229, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 229, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 229, 200);  
box-shadow:4px 4px 4px 4px rgb(2, 229,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2152, 0.2361, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 229, 200) }
```

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

```
.background{ background-color: rgb(2, 229,  
200) }
```

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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