

# Converting Colors

$Yxy(68.4318, 0.2499, 0.3938)$

Have a look what the booklet for  
Yxy(68.4318, 0.2499, 0.3938)  
contains.

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# Color

**Yxy(68.3914, 0.2499, 0.3936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DF2C2
RGB	61, 242, 194
RGB Percent	24%, 95%, 76%
CMY	0.7600, 0.0510, 0.2392
CMYK	0.75, 0.00, 0.20, 0.05
HSL	164°, 87%, 59%
HSV	164°, 75%, 95%
XYZ	43.4223, 68.3914, 61.9450
YIQ	182.4090, -92.4680, -53.3000

# Conversions

## Conversions Part 2

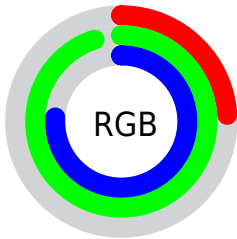
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 165, 242
Decimal	4059842
CIELab	86.20, -55.44, 10.49
CIELCh	86, 56.419, 169.286
Yxy	68.3914, 0.2499, 0.3936
Android (android.graphics.Color)	4282249922 (0xFF3DF2C2)
YUV	182.4090, 5.7144, -106.4757
Hunter-Lab	82.6991, -50.9996, 13.4788

# Details

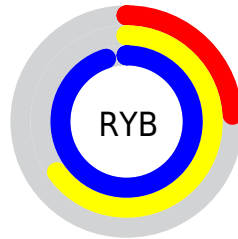
The Yxy color **68.3914, 0.2499, 0.3936** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.3443, 0.5053, 0.2872**, and the grayscale version is **47.0522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5534, 0.2514, 0.3334**, and **36.5914, 0.2471, 0.4094** is the 20% darker color. If you saturate the color by 10%, you get **67.5064, 0.2484, 0.4037**, and if you desaturate by 10%, it is **69.6407, 0.2534, 0.3836**.

# Distribution



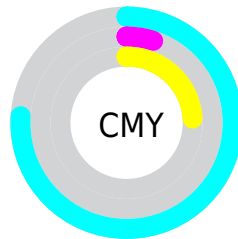
- Red (24%)
- Green (95%)
- Blue (76%)



- Red (24%)
- Yellow (65%)
- Blue (95%)



- Cyan (75%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)




- Cyan (76%)
- Magenta (5%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3914, 0.2499, 0.3936 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 68.3914, 0.2499, 0.3936 by changing the saturation by 10% instead.





 68.3914, 0.2499,  
0.3936


 68.3914, 0.2499,  
0.3936


454.8815, 0.2797,  
0.3622


 50.2162, 0.2429,  
0.4011


 116.9119, 0.2604,  
0.3824


 35.5852, 0.2343,  
0.4107


 148.0260, 0.2644,  
0.3781

 24.1140, 0.2232,  
0.4230


 184.2219, 0.2678,  
0.3745

 15.4182, 0.2086,  
0.4398

 225.8839, 0.2708,  
0.3714

 9.1134, 0.1886,  
0.4635

273.3965, 0.2735,  
0.3686

 4.8152, 0.1595,  
0.4995

327.1440, 0.2758,

 2.1393, 0.0941,

0.3662

0.5730

387.5109, 0.2778,  
0.3641

0.6866, 0.0000,  
0.9796

0.0000, 0.0000,  
0.0000

68.3914, 0.2499,  
0.3936

68.3914, 0.2499,  
0.3936

67.5064, 0.2484,  
0.4037

69.6407, 0.2534,  
0.3836


66.9269, 0.2489,  
0.4137

71.2877, 0.2588,  
0.3737


66.7047, 0.2497,  
0.4189

73.3707, 0.2661,  
0.3642


75.9213, 0.2748,  
0.3553

 78.9680, 0.2848,  
0.3469

 82.5374, 0.2957,  
0.3391

 86.6536, 0.3072,  
0.3321

 91.3397, 0.3190,  
0.3257

 91.7777, 0.3152,  
0.3196

# Harmonies

## Analogous

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



68.3914, 0.3125, 0.4467



68.3914, 0.2499, 0.3936



68.3914, 0.2071, 0.3207

# Triad

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



68.3914, 0.2499, 0.3936



68.3914, 0.2402, 0.2232



68.3914, 0.4508, 0.3729

# Complementary

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



68.3914, 0.2499, 0.3936



23.3443, 0.5053, 0.2872

# 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.



68.3914, 0.4294, 0.3208



68.3914, 0.2499, 0.3936



68.3914, 0.3004, 0.2393

# Square

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



68.3914, 0.2499, 0.3936



68.3914, 0.2029, 0.2295



68.3914, 0.3715, 0.2739



68.3914, 0.4303, 0.4218



# Rectangle

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



68.3914, 0.2499, 0.3936



68.3914, 0.1936, 0.2786



68.3914, 0.3715, 0.2739



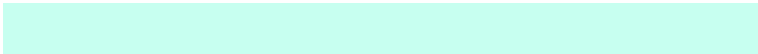
68.3914, 0.4485, 0.3554

# Sweetspot

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



68.3941, 0.2499, 0.3936



89.9459, 0.2876, 0.3447



67.1176, 0.3208, 0.5528



19.0311, 0.2847, 0.3469



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.



68.3941, 0.2499, 0.3936



75.6310, 0.2485, 0.4093



48.6297, 0.2160, 0.2723



17.8531, 0.3016, 0.3353



35.8601, 0.2492, 0.4173



2.9996, 0.2456, 0.4042



# Inverse Universe

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



23.3443, 0.5053, 0.2872



22.6558, 0.5627, 0.2945



28.9935, 0.5351, 0.3663



15.8278, 0.3251, 0.3228



10.3607, 0.5879, 0.3012

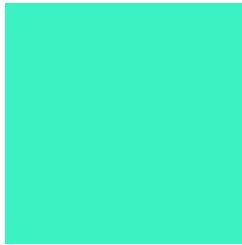


0.8778, 0.5508, 0.2808



# Previews

## White Background



This preview shows how the Yxy color 68.3914, 0.2499, 0.3936 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 68.3914, 0.2499, 0.3936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

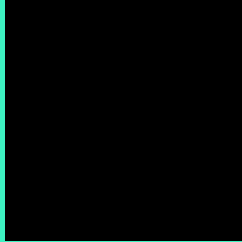
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

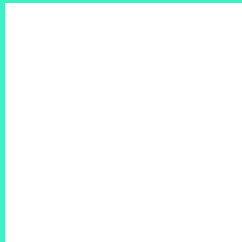
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.3914, 0.2499, 0.3936**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3914, 0.2499, 0.3936.



This preview shows how white text looks on a background with the Yxy color 68.3914, 0.2499, 0.3936.

# 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

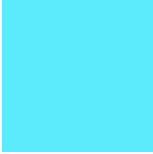
68.3914, 0.2499, 0.3936

### Protanopia

66.8507, 0.3459, 0.3672

### Deuteranopia

66.7576, 0.3412, 0.3334



## **Tritanopia**

68.2128, 0.2311, 0.3057

# Trichromacy



## Original Color

68.3914, 0.2499, 0.3936



## Protanomaly

64.7713, 0.2976, 0.3793



## Deuteranomaly

63.7852, 0.2943, 0.3535



## Tritanomaly

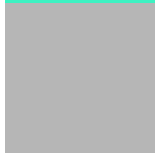
68.1439, 0.2373, 0.3351

# Monochromacy



## Original Color

68.3914, 0.2499, 0.3936



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

52.1342, 0.2777, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3914, 0.2499, 0.3936 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(61, 242, 194)` looks like.

```
.text, #text, p{  
    color:rgb(61, 242, 194)  
}
```

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(61, 242, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 242, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3914, 0.2499, 0.3936 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(61, 242, 194) }
```

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

```
.border{ border-color:rgb(61, 242, 194) }
```

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

Here you see how a box with a 4 pixel rgb(61, 242, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 242, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 242, 194);  
box-shadow:4px 4px 4px 4px rgb(61, 242,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3914, 0.2499, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 242, 194) }
```

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

```
.background{ background-color: rgb(61, 242,  
194) }
```

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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