

# Converting Colors

$Yxy(71.4323, 0.2498, 0.3639)$

Have a look what the booklet for  
Yxy(71.4323, 0.2498, 0.3639)  
contains.

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# Color

**Yxy(71.3872, 0.2499, 0.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EF3D7
RGB	94, 243, 215
RGB Percent	37%, 95%, 84%
CMY	0.6314, 0.0470, 0.1569
CMYK	0.61, 0.00, 0.12, 0.05
HSL	169°, 86%, 66%
HSV	169°, 61%, 95%
XYZ	48.9294, 71.3872, 75.4793
YIQ	195.2570, -79.8160, -40.2960

# Conversions

## Conversions Part 2

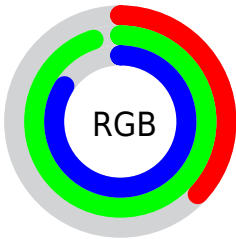
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 176, 243
Decimal	6222807
CIELab	87.67, -46.14, 1.74
CIELCh	88, 46.173, 177.839
Yxy	71.3872, 0.2499, 0.3646
Android (android.graphics.Color)	4284412887 (0xFF5EF3D7)
YUV	195.2570, 9.7333, -88.8024
Hunter-Lab	84.4909, -44.4883, 6.1774

# Details

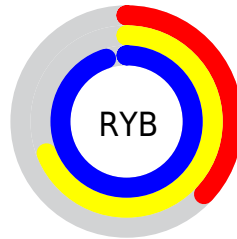
The Yxy color **71.3872, 0.2499, 0.3646** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.4646, 0.4706, 0.3012**, and the grayscale version is **54.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **37.6559, 0.2371, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **70.0698, 0.2451, 0.3714**, and if you desaturate by 10%, it is **73.1209, 0.2566, 0.3579**.

# Distribution



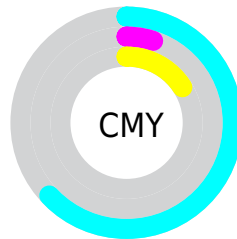
- Red (37%)
- Green (95%)
- Blue (84%)



- Red (37%)
- Yellow (69%)
- Blue (95%)



- Cyan (61%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (63%)
- Magenta (5%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3872, 0.2499, 0.3646 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 71.3872, 0.2499, 0.3646 by changing the saturation by 10% instead.





 71.3872, 0.2499,  
0.3646

 71.3872, 0.2499,  
0.3646


465.4058, 0.2789,  
0.3480


 52.6582, 0.2433,  
0.3684


 121.1849, 0.2599,  
0.3588


 37.5300, 0.2352,  
0.3731


 153.0224, 0.2639,  
0.3566

 25.6181, 0.2250,  
0.3791


 189.9982, 0.2672,  
0.3547

 16.5382, 0.2117,  
0.3868

 232.4968, 0.2702,  
0.3530

 9.9058, 0.1938,  
0.3974

280.9024, 0.2728,  
0.3515

 5.3365, 0.1687,  
0.4126


335.5995, 0.2750,

 2.4460, 0.1307,

0.3502

0.4360


396.9726, 0.2771,  
0.3491


 0.8494, 0.0000,  
0.5140


 0.0000, 0.0000,  
0.0000


 71.3872, 0.2499,  
0.3646


 71.3872, 0.2499,  
0.3646


 70.0698, 0.2451,  
0.3714


 73.1209, 0.2566,  
0.3579


 69.1209, 0.2423,  
0.3783

 75.2970, 0.2650,  
0.3515

 68.4959, 0.2415,  
0.3852


 77.9490, 0.2750,  
0.3454

 68.1509, 0.2420,  
0.3911

 81.1048, 0.2862,  
0.3397

 84.7902, 0.2983,  
0.3344

 89.0293, 0.3110,  
0.3296

 92.0790, 0.3181,  
0.3252

 92.3646, 0.3153,  
0.3208

 92.5854, 0.3133,  
0.3175

# Harmonies

## Analogous

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



71.3872, 0.2983, 0.4131



71.3872, 0.2499, 0.3646



71.3872, 0.2197, 0.3081

# Triad

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



71.3872, 0.2499, 0.3646



71.3872, 0.2662, 0.2431



71.3872, 0.4235, 0.3794

# Complementary

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



71.3872, 0.2499, 0.3646



28.4646, 0.4706, 0.3012

# 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.



71.3872, 0.4152, 0.3360



71.3872, 0.2499, 0.3646



71.3872, 0.3196, 0.2614

# Square

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



71.3872, 0.2499, 0.3646



71.3872, 0.2287, 0.2434



71.3872, 0.3757, 0.2944



71.3872, 0.3996, 0.4156



# Rectangle

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



71.3872, 0.2499, 0.3646



71.3872, 0.2123, 0.2772



71.3872, 0.3757, 0.2944



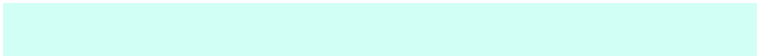
71.3872, 0.4245, 0.3653

# Sweetspot

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



71.3900, 0.2499, 0.3646



91.7664, 0.2901, 0.3379



69.1829, 0.3179, 0.5192



19.3970, 0.2866, 0.3395



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.



71.3900, 0.2499, 0.3646



77.8305, 0.2441, 0.3734



49.3766, 0.2248, 0.2704



18.7012, 0.3006, 0.3335



37.4202, 0.2417, 0.3900



3.3024, 0.2393, 0.3814



# Inverse Universe

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



28.4646, 0.4706, 0.3012



26.1466, 0.5247, 0.3009



38.2405, 0.4730, 0.3755



16.5334, 0.3264, 0.3246



10.5793, 0.6107, 0.3138

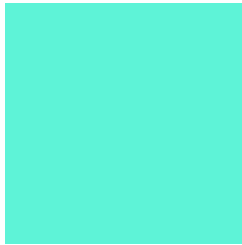


0.9434, 0.5780, 0.2958



# Previews

## White Background



This preview shows how the Yxy color 71.3872, 0.2499, 0.3646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

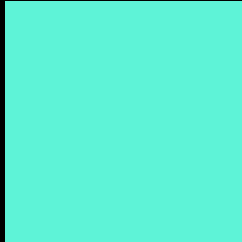
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.3872, 0.2499, 0.3646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

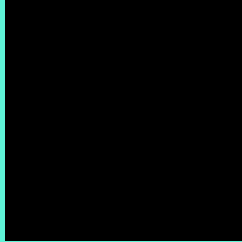
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.3872, 0.2499, 0.3646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3872, 0.2499, 0.3646.

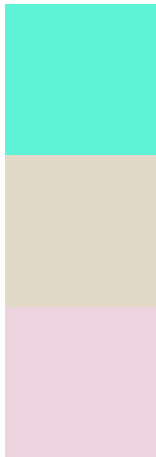


This preview shows how white text looks on a background with the Yxy color 71.3872, 0.2499, 0.3646.

# 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

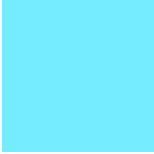
71.3872, 0.2499, 0.3646

### Protanopia

70.0115, 0.3303, 0.3466

### Deuteranopia

69.8670, 0.3244, 0.3174



## Tritanopia

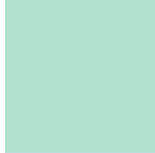
70.9928, 0.2390, 0.3063

# Trichromacy



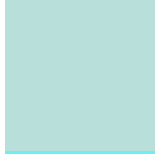
## Original Color

71.3872, 0.2499, 0.3646



## Protanomaly

68.3139, 0.2929, 0.3529



## Deuteranomaly

68.2041, 0.2895, 0.3336



## Tritanomaly

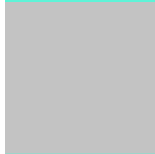
71.2755, 0.2431, 0.3276

# Monochromacy



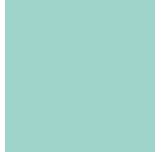
## Original Color

71.3872, 0.2499, 0.3646



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

58.6203, 0.2815, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3872, 0.2499, 0.3646 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(94, 243, 215)` looks like.

```
.text, #text, p{  
    color:rgb(94, 243, 215)  
}
```

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(94, 243, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 243, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3872, 0.2499, 0.3646 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(94, 243, 215) }
```

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

```
.border{ border-color:rgb(94, 243, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 243, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 243, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 243, 215);  
box-shadow:4px 4px 4px 4px rgb(94, 243,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3872, 0.2499, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 243, 215) }
```

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

```
.background{ background-color: rgb(94, 243,  
215) }
```

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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