

# Converting Colors

$Y_{xy}(73.5805, 0.2397, 0.3616)$

Have a look what the booklet for  
Yxy(73.5805, 0.2397, 0.3616)  
contains.

<b>Yxy(73.4232, 0.2395, 0.3606)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(73.4232, 0.2395, 0.3606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CF8DF
RGB	60, 248, 223
RGB Percent	24%, 97%, 87%
CMY	0.7635, 0.0275, 0.1254
CMYK	0.76, 0.00, 0.10, 0.03
HSL	172°, 93%, 60%
HSV	172°, 76%, 97%
XYZ	48.7655, 73.4232, 81.4252
YIQ	188.9380, -104.0230, -47.6310

# Conversions

## Conversions Part 2

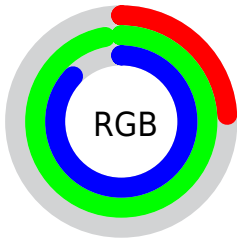
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 161, 248
Decimal	3995871
CIELab	88.65, -50.80, -1.11
CIELCh	89, 50.808, 181.248
Yxy	73.4232, 0.2395, 0.3606
Android (android.graphics.Color)	4282185951 (0xFF3CF8DF)
YUV	188.9380, 16.7926, -113.0786
Hunter-Lab	85.6873, -48.3667, 3.6402

# Details

The Yxy color **73.4232, 0.2395, 0.3606** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8793, 0.5459, 0.3104**, and the grayscale version is **50.8513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **40.0888, 0.2353, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **72.6457, 0.2371, 0.3653**, and if you desaturate by 10%, it is **74.5719, 0.2438, 0.3559**.

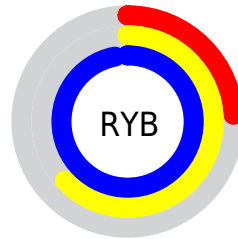
# Distribution



Red (24%)

Green (97%)

Blue (87%)



Red (24%)

Yellow (63%)

Blue (97%)

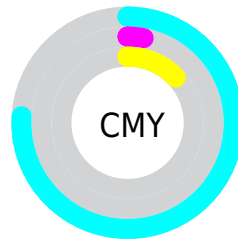


Cyan (76%)

Magenta (0%)

Yellow (10%)

Black (3%)



Cyan (76%)

Magenta (3%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4232, 0.2395, 0.3606 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 73.4232, 0.2395, 0.3606 by changing the saturation by 10% instead.



 73.4232, 0.2395,  
0.3606

 73.4232, 0.2395,  
0.3606

472.4802, 0.2729,  
0.3463


 54.3221, 0.2320,  
0.3638


 124.0778, 0.2510,  
0.3557


 38.8592, 0.2229,  
0.3676


 156.4001, 0.2555,  
0.3538

 26.6502, 0.2114,  
0.3725


 193.8982, 0.2594,  
0.3521

 17.3107, 0.1968,  
0.3786

 236.9566, 0.2628,  
0.3507

 10.4563, 0.1773,  
0.3867

285.9596, 0.2657,  
0.3494

 5.7025, 0.1507,  
0.3975

341.2916, 0.2684,

 2.6650, 0.1119,

0.3482

0.4130

403.3370, 0.2708,  
0.3472

■ 0.9595, 0.0000,  
0.4595

■ 0.0000, 0.0000,  
0.0000

■ 73.4232, 0.2395,  
0.3606

■ 73.4232, 0.2395,  
0.3606

■ 72.6457, 0.2371,  
0.3653

■ 74.5719, 0.2438,  
0.3559

■ 72.1757, 0.2366,  
0.3700

■ 76.1279, 0.2501,  
0.3512


■ 72.0328, 0.2367,  
0.3720


■ 78.1322, 0.2583,  
0.3467


■ 80.6186, 0.2681,  
0.3423

 83.6178, 0.2793,  
0.3382

 87.1576, 0.2917,  
0.3344

 91.2641, 0.3049,  
0.3309

 95.2522, 0.3163,  
0.3276

 95.4604, 0.3144,  
0.3245

# Harmonies

## Analogous

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



73.4232, 0.2900, 0.4168



73.4232, 0.2395, 0.3606



73.4232, 0.2100, 0.2994

# Triad

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



73.4232, 0.2395, 0.3606



73.4232, 0.2679, 0.2377



73.4232, 0.4318, 0.3878

# Complementary

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



73.4232, 0.2395, 0.3606



23.8793, 0.5459, 0.3104

# 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.



73.4232, 0.4274, 0.3413



73.4232, 0.2395, 0.3606



73.4232, 0.3271, 0.2594

# Square

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



73.4232, 0.2395, 0.3606



73.4232, 0.2253, 0.2353



73.4232, 0.3875, 0.2960



73.4232, 0.4019, 0.4260



# Rectangle

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



73.4232, 0.2395, 0.3606



73.4232, 0.2042, 0.2675



73.4232, 0.3875, 0.2960



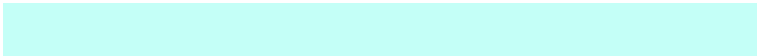
73.4232, 0.4345, 0.3726

# Sweetspot

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



73.4260, 0.2395, 0.3606



90.0303, 0.2825, 0.3372



69.4036, 0.3096, 0.5630



18.9971, 0.2782, 0.3386



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.



73.4260, 0.2395, 0.3606



77.0903, 0.2366, 0.3679



40.0569, 0.2061, 0.2360



19.5665, 0.2998, 0.3322



38.9319, 0.2365, 0.3713



3.6165, 0.2349, 0.3656



# Inverse Universe

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



23.8793, 0.5459, 0.3104



22.1355, 0.6042, 0.3169



36.0179, 0.5141, 0.3907



17.2628, 0.3273, 0.3259



10.8511, 0.6230, 0.3206

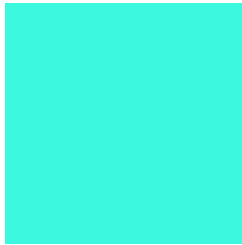


1.0163, 0.5962, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 73.4232, 0.2395, 0.3606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

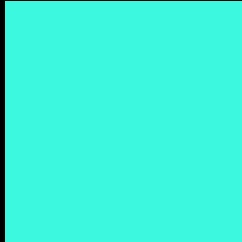
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4232, 0.2395, 0.3606 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

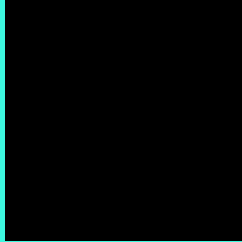
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.4232, 0.2395, 0.3606**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4232, 0.2395, 0.3606.

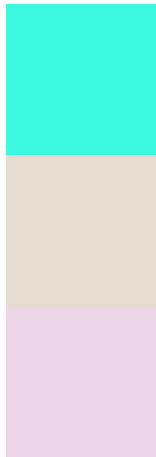


This preview shows how white text looks on a background with the Yxy color 73.4232, 0.2395, 0.3606.

# 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

73.4232, 0.2395, 0.3606

### Protanopia

72.1854, 0.3273, 0.3431

### Deuteranopia

71.8108, 0.3186, 0.3123



## Tritanopia

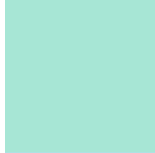
73.2381, 0.2423, 0.3101

# Trichromacy



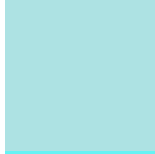
## Original Color

73.4232, 0.2395, 0.3606



## Protanomaly

69.6132, 0.2822, 0.3493



## Deuteranomaly

68.8230, 0.2776, 0.3277



## Tritanomaly

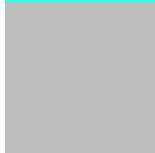
72.7420, 0.2400, 0.3276

# Monochromacy



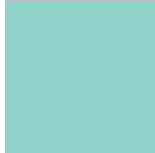
## Original Color

73.4232, 0.2395, 0.3606



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.0610, 0.2720, 0.3407

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4232, 0.2395, 0.3606 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(60, 248, 223)` looks like.

```
.text, #text, p{  
    color:rgb(60, 248, 223)  
}
```

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(60, 248, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 248, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4232, 0.2395, 0.3606 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(60, 248, 223) }
```

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

```
.border{ border-color:rgb(60, 248, 223) }
```

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

Here you see how a box with a 4 pixel rgb(60, 248, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 248, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 248, 223);  
box-shadow:4px 4px 4px 4px rgb(60, 248,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4232, 0.2395, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 248, 223) }
```

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

```
.background{ background-color: rgb(60, 248,  
223) }
```

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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