

# Converting Colors

$Yxy(35.6834, 0.1222, 0.2611)$

Have a look what the booklet for  
Yxy(35.6834, 0.1222, 0.2611)  
contains.

<b>Yxy(44.5817, 0.2087, 0.2714)</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(44.5817, 0.2087, 0.2714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C2EB
RGB	0, 194, 235
RGB Percent	0%, 76%, 92%
CMY	1.0000, 0.2392, 0.0784
CMYK	1.00, 0.17, 0.00, 0.08
HSL	190°, 100%, 46%
HSV	190°, 100%, 92%
XYZ	34.2822, 44.5817, 85.4017
YIQ	140.6680, -128.7850, -28.3770

# Conversions

## Conversions Part 2

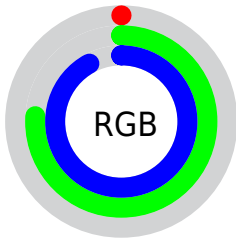
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 106, 235
Decimal	49899
CIELab	72.62, -26.05, -31.66
CIELCh	73, 40.998, 230.553
Yxy	44.5817, 0.2087, 0.2714
Android (android.graphics.Color)	4278239979 (0xFF00C2EB)
YUV	140.6680, 46.5057, -123.3658
Hunter-Lab	66.7695, -25.1974, -29.0963

# Details

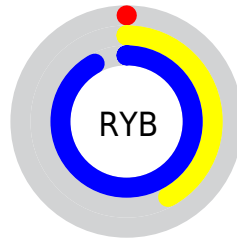
The Yxy color **44.5817, 0.2087, 0.2714** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.2496, 0.6241, 0.3427**, and the grayscale version is **26.3549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5294, 0.2404, 0.3241**, and **22.0108, 0.2049, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **44.5869, 0.2087, 0.2714**, and if you desaturate by 10%, it is **46.6255, 0.2119, 0.2776**.

# Distribution



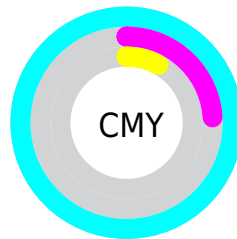
- Red (0%)
- Green (76%)
- Blue (92%)



- Red (0%)
- Yellow (42%)
- Blue (92%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (24%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5817, 0.2087, 0.2714 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 44.5817, 0.2087, 0.2714 by changing the saturation by 10% instead.




 44.5817, 0.2087,  
0.2714


 44.5817, 0.2087,  
0.2714


365.0768, 0.2584,  
0.3014

 31.1281, 0.1972,  
0.2637


 82.0923, 0.2261,  
0.2825

 20.6964, 0.1830,  
0.2539


 106.9182, 0.2328,  
0.2866


 12.9023, 0.1652,  
0.2409

 136.3035, 0.2386,  
0.2901

 7.3613, 0.1423,  
0.2229

 170.6327, 0.2436,  
0.2930

 3.6890, 0.1126,  
0.1973

 210.2903, 0.2480,  
0.2956

 1.5012, 0.0734,  
0.1593

255.6606, 0.2519,

 0.2896, 0.0000,

0.2978

0.0759

307.1279, 0.2553,  
0.2997

■ 0.0000, 0.0000,  
0.0000

■ 44.5817, 0.2087,  
0.2714

■ 44.5817, 0.2087,  
0.2714

■ 44.5869, 0.2087,  
0.2714

■ 46.6255, 0.2119,  
0.2776

■ 48.9429, 0.2166,  
0.2839

■ 51.6117, 0.2233,  
0.2903

■ 54.6745, 0.2320,  
0.2966

■ 58.1673, 0.2424,  
0.3028

■ 62.1216, 0.2545,  
0.3087

■ 66.5656, 0.2679,  
0.3144

■ 71.5251, 0.2822,  
0.3196

■ 77.0239, 0.2973,  
0.3245

# Harmonies

## Analogous

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



44.5817, 0.2218, 0.3207



44.5817, 0.2087, 0.2714



44.5817, 0.2196, 0.2437

# Triad

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



44.5817, 0.2087, 0.2714



44.5817, 0.3647, 0.2837



44.5817, 0.3676, 0.4340

# Complementary

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



44.5817, 0.2087, 0.2714



19.2496, 0.6241, 0.3427

# 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.



44.5817, 0.4114, 0.4108



44.5817, 0.2087, 0.2714



44.5817, 0.4118, 0.3251

# Square

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



44.5817, 0.2087, 0.2714



44.5817, 0.3053, 0.2530



44.5817, 0.4289, 0.3702



44.5817, 0.3114, 0.4247



# Rectangle

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



44.5817, 0.2087, 0.2714



44.5817, 0.2396, 0.2378



44.5817, 0.4289, 0.3702



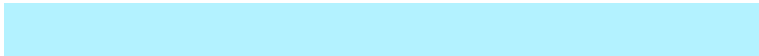
44.5817, 0.3843, 0.4292

# Sweetspot

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



44.5869, 0.2087, 0.2714



80.0428, 0.2677, 0.3143



59.5696, 0.2964, 0.5869



16.6325, 0.2619, 0.3119



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

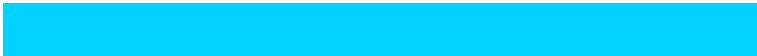


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.5869, 0.2087, 0.2714



53.5672, 0.2087, 0.2711



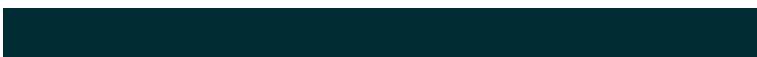
11.4954, 0.1626, 0.1053



16.6487, 0.2981, 0.3248



24.9805, 0.2090, 0.2724



2.0790, 0.2114, 0.2811



# Inverse Universe

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



21.5593, 0.3715, 0.1820



25.9388, 0.3717, 0.1822



41.6672, 0.4946, 0.4455



15.2660, 0.3165, 0.3098



12.0146, 0.3705, 0.1815

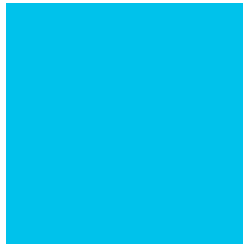


0.9553, 0.3625, 0.1770



# Previews

## White Background



This preview shows how the Yxy color 44.5817, 0.2087, 0.2714 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 44.5817, 0.2087, 0.2714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

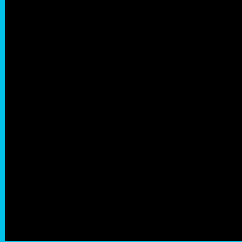
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5817, 0.2087, 0.2714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5817, 0.2087, 0.2714.



This preview shows how white text looks on a background with the Yxy color 44.5817, 0.2087, 0.2714.

# 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

44.5817, 0.2087, 0.2714

### Protanopia

43.9874, 0.2711, 0.2704

### Deuteranopia

43.8750, 0.2548, 0.2484



## Tritanopia

44.6860, 0.2185, 0.3066

# Trichromacy



## Original Color

44.5817, 0.2087, 0.2714



## Protanomaly

42.0111, 0.2325, 0.2684



## Deuteranomaly

41.9875, 0.2244, 0.2524



## Tritanomaly

44.6472, 0.2150, 0.2939

# Monochromacy



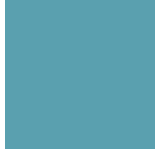
## Original Color

44.5817, 0.2087, 0.2714



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

30.4104, 0.2451, 0.3039

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5817, 0.2087, 0.2714 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(0, 194, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 235)  
}
```

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(0, 194, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5817, 0.2087, 0.2714 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(0, 194, 235) }
```

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

```
.border{ border-color:rgb(0, 194, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 194, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 194, 235); box-shadow:4px 4px 4px 4px rgb(0, 194, 235) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5817, 0.2087, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 235) }
```

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

```
.background{ background-color: rgb(0, 194,  
235) }
```

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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