

Converting Colors

$Y_{xy}(49.7034, 0.2176, 0.2860)$

Have a look what the booklet for
Yxy(49.7034, 0.2176, 0.2860)
contains.

Yxy(49.8369, 0.2177, 0.2866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8369, 0.2177, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	31CCEB
RGB	49, 204, 235
RGB Percent	19%, 80%, 92%
CMY	0.8073, 0.2000, 0.0786
CMYK	0.79, 0.13, 0.00, 0.08
HSL	190°, 82%, 56%
HSV	190°, 79%, 92%
XYZ	37.8559, 49.8369, 86.1973
YIQ	161.1890, -102.3310, -23.2190

Conversions

Conversions Part 2

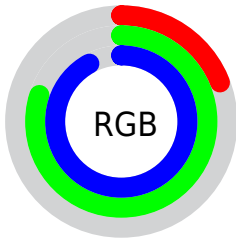
Format	Color
R _{YB}	49, 134, 235
Decimal	3263723
CIE Lab	75.97, -28.54, -26.45
CIE LCh	76, 38.912, 222.819
Yxy	49.8369, 0.2177, 0.2866
Android (android.graphics.Color)	4281453803 (0xFF31CCEB)
YUV	161.1890, 36.3888, -98.3898
Hunter-Lab	70.5953, -27.8232, -22.9768

Details

The Yxy color **49.8369, 0.2177, 0.2866** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **23.6342, 0.5640, 0.3537**, and the grayscale version is **35.6158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **24.7496, 0.2097, 0.2748** is the 20% darker color. If you saturate the color by 10%, you get **47.5588, 0.2129, 0.2806**, and if you desaturate by 10%, it is **52.4697, 0.2245, 0.2926**.

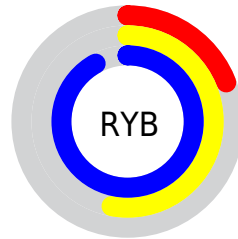
Distribution



Red (19%)

Green (80%)

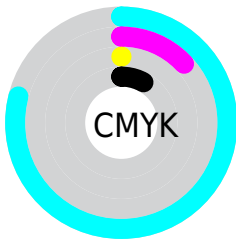
Blue (92%)



Red (19%)

Yellow (53%)

Blue (92%)

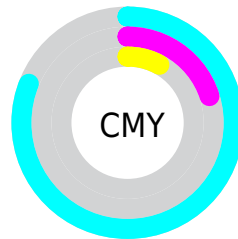


Cyan (79%)

Magenta (13%)

Yellow (0%)

Black (8%)



Cyan (81%)


Magenta (20%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8369, 0.2177, 0.2866 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 49.8369, 0.2177, 0.2866 by changing the saturation by 10% instead.


 49.8369, 0.2177,
0.2866

 49.8369, 0.2177,
0.2866


386.0278, 0.2626,
0.3088


 35.2838, 0.2074,
0.2809


 89.9332, 0.2334,
0.2948


 23.8816, 0.1946,
0.2736


 116.2452, 0.2394,
0.2978


 15.2458, 0.1786,
0.2638


 147.2456, 0.2447,
0.3004

 8.9921, 0.1580,
0.2502

 183.3188, 0.2492,
0.3026

 4.7360, 0.1308,
0.2304

 224.8492, 0.2532,
0.3045

 2.0932, 0.0947,
0.1999

272.2213, 0.2567,

 0.6608, 0.0000,

0.3061

0.1543

325.8193, 0.2598,
0.3075

■ 0.0000, 0.0000,
0.0000

■ 49.8369, 0.2177,
0.2866

■ 49.8369, 0.2177,
0.2866

■ 47.5588, 0.2129,
0.2806

■ 52.4697, 0.2245,
0.2926

■ 45.5659, 0.2097,
0.2747


■ 55.4938, 0.2332,
0.2986


■ 45.3902, 0.2095,
0.2741

■ 58.9462, 0.2437,
0.3045

■ 62.8582, 0.2558,
0.3101

■ 67.2575, 0.2692,
0.3155

 72.1699, 0.2836,
0.3205

 77.6189, 0.2987,
0.3251

 83.6265, 0.3141,
0.3294

 89.1324, 0.3259,
0.3332

Harmonies

Analogous

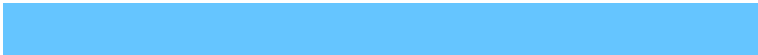
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8369, 0.2359, 0.3356



49.8369, 0.2177, 0.2866



49.8369, 0.2221, 0.2552

Triad

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



49.8369, 0.2177, 0.2866



49.8369, 0.3467, 0.2788



49.8369, 0.3756, 0.4221

Complementary

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



49.8369, 0.2177, 0.2866



23.6342, 0.5640, 0.3537

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.



49.8369, 0.4103, 0.3962



49.8369, 0.2177, 0.2866



49.8369, 0.3943, 0.3154

Square

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



49.8369, 0.2177, 0.2866



49.8369, 0.2926, 0.2536



49.8369, 0.4181, 0.3570



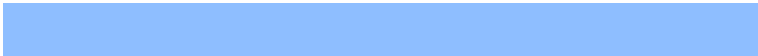
49.8369, 0.3256, 0.4214

Rectangle

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



49.8369, 0.2177, 0.2866



49.8369, 0.2372, 0.2459



49.8369, 0.4181, 0.3570



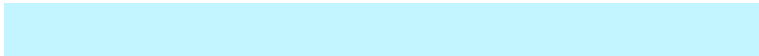
49.8369, 0.3895, 0.4158

Sweetspot

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



49.8387, 0.2177, 0.2866



83.8470, 0.2763, 0.3180



60.5918, 0.2940, 0.5512



17.5024, 0.2712, 0.3162



0.0000, 0.0000, 0.0000



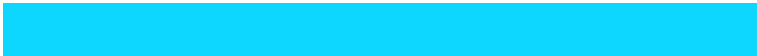
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8387, 0.2177, 0.2866



55.7145, 0.2108, 0.2768



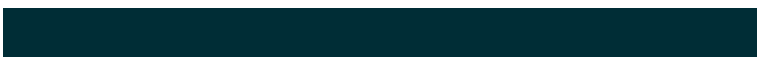
18.7292, 0.1827, 0.1535



16.6696, 0.2981, 0.3250



25.4316, 0.2098, 0.2751



2.1104, 0.2120, 0.2833

Inverse Universe

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



24.2255, 0.3562, 0.1866



26.4286, 0.3663, 0.1806



46.6036, 0.4678, 0.4434



15.2681, 0.3163, 0.3096



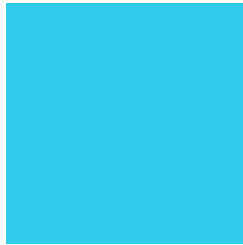
12.0601, 0.3680, 0.1801



0.9585, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 49.8369, 0.2177, 0.2866 looks on a white background.

Color Contrast Check

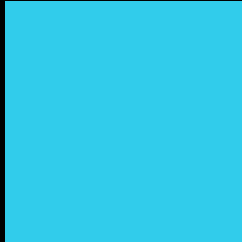
Large Text (above 18pt) WCAG AA × Fail

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 49.8369, 0.2177, 0.2866 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 49.8369, 0.2177, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 49.8369, 0.2177, 0.2866.



This preview shows how white text looks on a background with the Yxy color 49.8369, 0.2177, 0.2866.

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

49.8369, 0.2177, 0.2866

Protanopia

48.9664, 0.2809, 0.2833

Deuteranopia

49.2722, 0.2665, 0.2608



Tritanopia

49.8454, 0.2209, 0.3049

Trichromacy



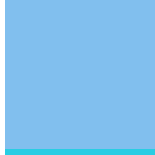
Original Color

49.8369, 0.2177, 0.2866



Protanomaly

47.5779, 0.2480, 0.2828



Deuteranomaly

48.1018, 0.2407, 0.2685



Tritanomaly

49.6801, 0.2197, 0.2982

Monochromacy



Original Color

49.8369, 0.2177, 0.2866



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.0682, 0.2603, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8369, 0.2177, 0.2866 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(49, 204, 235)` looks like.

```
.text, #text, p{  
    color:rgb(49, 204, 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(49, 204, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 204, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.8369, 0.2177, 0.2866 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(49, 204, 235) }
```

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

```
.border{ border-color:rgb(49, 204, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 204, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 204, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 204, 235);  
box-shadow:4px 4px 4px 4px rgb(49, 204,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8369, 0.2177, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 204, 235) }
```

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

```
.background{ background-color: rgb(49, 204,  
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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