

Converting Colors

$Y_{xy}(49.2046, 0.2146, 0.2902)$

Have a look what the booklet for
Yxy(49.2046, 0.2146, 0.2902)
contains.

Yxy(49.0975, 0.2145, 0.2900)	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(49.0975, 0.2145, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	0CCCE8
RGB	12, 204, 232
RGB Percent	5%, 80%, 91%
CMY	0.9511, 0.1999, 0.0903
CMYK	0.95, 0.12, 0.00, 0.09
HSL	188°, 90%, 48%
HSV	188°, 95%, 91%
XYZ	36.3152, 49.0975, 83.8890
YIQ	149.7840, -123.4200, -31.9960

Conversions

Conversions Part 2

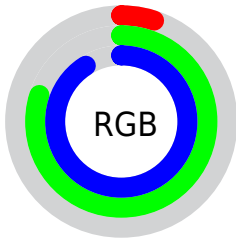
Format	Color
RYB	12, 115, 232
Decimal	838888
CIELab	75.51, -31.63, -25.57
CIELCh	76, 40.674, 218.951
Yxy	49.0975, 0.2145, 0.2900
Android (android.graphics.Color)	4279028968 (0xFF0CCCE8)
YUV	149.7840, 40.5325, -120.8366
Hunter-Lab	70.0696, -30.1100, -21.9347

Details

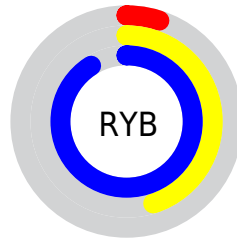
The Yxy color **49.0975, 0.2145, 0.2900** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.7258, 0.6200, 0.3404**, and the grayscale version is **30.3311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **24.6295, 0.2110, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **48.2671, 0.2132, 0.2876**, and if you desaturate by 10%, it is **50.8049, 0.2178, 0.2945**.

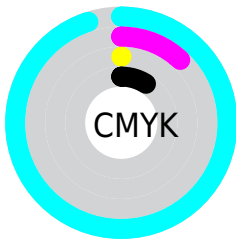
Distribution



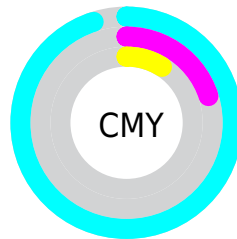
- Red (5%)
- Green (80%)
- Blue (91%)



- Red (5%)
- Yellow (45%)
- Blue (91%)



- Cyan (95%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)




- Cyan (95%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0975, 0.2145, 0.2900 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 49.0975, 0.2145, 0.2900 by changing the saturation by 10% instead.


 49.0975, 0.2145,
0.2900


 49.0975, 0.2145,
0.2900


383.1260, 0.2610,
0.3108

 34.6968, 0.2038,
0.2846


 88.8362, 0.2307,
0.2978


 23.4294, 0.1906,
0.2775


 114.9431, 0.2370,
0.3006


 14.9109, 0.1740,
0.2680

 145.7208, 0.2424,
0.3030

 8.7569, 0.1527,
0.2548

 181.5538, 0.2471,
0.3050

 4.5830, 0.1247,
0.2351

 222.8264, 0.2512,
0.3068

 2.0047, 0.0877,
0.2044

269.9230, 0.2549,

 0.6102, 0.0000,

0.3083

0.1542

323.2281, 0.2581,
0.3096

■ 0.0000, 0.0000,
0.0000

■ 49.0975, 0.2145,
0.2900

■ 49.0975, 0.2145,
0.2900

■ 48.2671, 0.2132,
0.2876

■ 50.8049, 0.2178,
0.2945

■ 52.8063, 0.2230,
0.2990

■ 55.1491, 0.2301,
0.3035

■ 57.8704, 0.2391,
0.3079

■ 61.0022, 0.2499,
0.3123

■ 64.5731, 0.2622,
0.3165

■ 68.6088, 0.2758,
0.3204

■ 73.1330, 0.2903,
0.3241

■ 78.1679, 0.3055,
0.3275

Harmonies

Analogous

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



49.0975, 0.2363, 0.3432



49.0975, 0.2145, 0.2900



49.0975, 0.2161, 0.2546

Triad

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



49.0975, 0.2145, 0.2900



49.0975, 0.3410, 0.2723



49.0975, 0.3843, 0.4244

Complementary

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



49.0975, 0.2145, 0.2900



18.7258, 0.6200, 0.3404

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.



49.0975, 0.4178, 0.3942



49.0975, 0.2145, 0.2900



49.0975, 0.3931, 0.3092

Square

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



49.0975, 0.2145, 0.2900



49.0975, 0.2847, 0.2481



49.0975, 0.4220, 0.3523



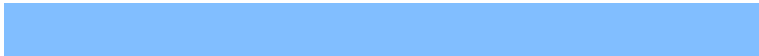
49.0975, 0.3331, 0.4285

Rectangle

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



49.0975, 0.2145, 0.2900



49.0975, 0.2299, 0.2432



49.0975, 0.4220, 0.3523



49.0975, 0.3981, 0.4165

Sweetspot

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



49.0993, 0.2145, 0.2900



83.2148, 0.2709, 0.3191



57.9225, 0.2973, 0.5865



17.3508, 0.2650, 0.3173



0.0000, 0.0000, 0.0000



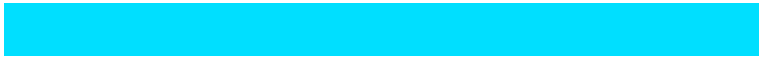
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0993, 0.2145, 0.2900



59.7381, 0.2132, 0.2874



14.3834, 0.1701, 0.1291



16.0066, 0.2982, 0.3259



26.9318, 0.2134, 0.2884



2.0781, 0.2152, 0.2948

Inverse Universe

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



21.7866, 0.3542, 0.1742



26.5617, 0.3567, 0.1739



38.3057, 0.5009, 0.4370



14.5820, 0.3157, 0.3087



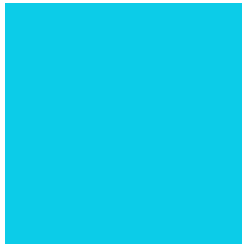
11.9165, 0.3558, 0.1734



0.8895, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 49.0975, 0.2145, 0.2900 looks on a white background.

Color Contrast Check

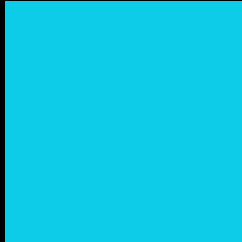
Large Text (above 18pt) WCAG AA × Fail

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 49.0975, 0.2145, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

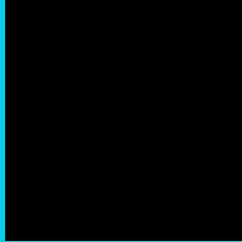
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0975, 0.2145, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 49.0975, 0.2145, 0.2900.



This preview shows how white text looks on a background with the Yxy color 49.0975, 0.2145, 0.2900.

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

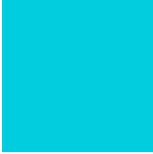
49.0901, 0.2145, 0.2899

Protanopia

48.3417, 0.2836, 0.2867

Deuteranopia

48.2761, 0.2681, 0.2615



Tritanopia

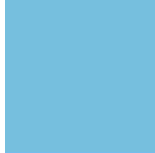
48.9366, 0.2180, 0.3046

Trichromacy



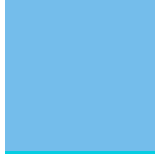
Original Color

49.0901, 0.2145, 0.2899



Protanomaly

46.3871, 0.2430, 0.2869



Deuteranomaly

46.1064, 0.2350, 0.2683



Tritanomaly

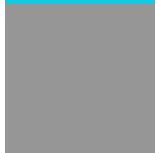
49.1859, 0.2167, 0.2992

Monochromacy



Original Color

49.0901, 0.2145, 0.2899



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.7541, 0.2510, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0975, 0.2145, 0.2900 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(12, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(12, 204, 232)  
}
```

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(12, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 204, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.0975, 0.2145, 0.2900 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(12, 204, 232) }
```

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

```
.border{ border-color:rgb(12, 204, 232) }
```

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

Here you see how a box with a 4 pixel rgb(12, 204, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(12, 204,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0975, 0.2145, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 204, 232) }
```

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

```
.background{ background-color: rgb(12, 204,  
232) }
```

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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