

Converting Colors

$Y_{xy}(49.7091, 0.2206, 0.2867)$

Have a look what the booklet for
Yxy(49.7091, 0.2206, 0.2867)
contains.

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Color

Yxy(49.7091, 0.2206, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	3FCBEA
RGB	63, 203, 234
RGB Percent	25%, 80%, 92%
CMY	0.7537, 0.2039, 0.0823
CMYK	0.73, 0.13, 0.00, 0.08
HSL	191°, 80%, 58%
HSV	191°, 73%, 92%
XYZ	38.2484, 49.7091, 85.4261
YIQ	164.6740, -93.3910, -20.0390

Conversions

Conversions Part 2

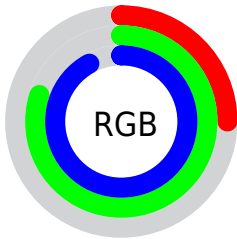
Format	Color
RYB	63, 140, 234
Decimal	4180970
CIELab	75.89, -26.94, -26.03
CIELCh	76, 37.458, 224.021
Yxy	49.7091, 0.2206, 0.2867
Android (android.graphics.Color)	4282371050 (0xFF3FCBEA)
YUV	164.6740, 34.1777, -89.1681
Hunter-Lab	70.5047, -26.5478, -22.4847

Details

The Yxy color **49.7091, 0.2206, 0.2867** 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 **25.8213, 0.5372, 0.3574**, and the grayscale version is **37.3061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **24.7092, 0.2101, 0.2764** is the 20% darker color. If you saturate the color by 10%, you get **47.1258, 0.2144, 0.2801**, and if you desaturate by 10%, it is **52.6775, 0.2287, 0.2933**.

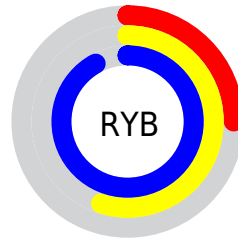
Distribution



Red (25%)

Green (80%)

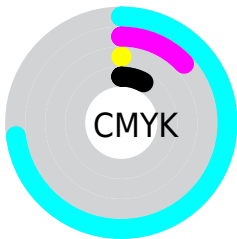
Blue (92%)



Red (25%)

Yellow (55%)

Blue (92%)

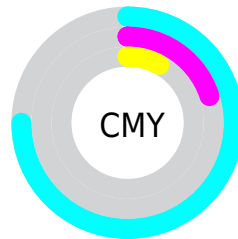


Cyan (73%)

Magenta (13%)

Yellow (0%)

Black (8%)



Cyan (75%)


Magenta (20%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7091, 0.2206, 0.2867 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 49.7091, 0.2206, 0.2867 by changing the saturation by 10% instead.


 49.7091, 0.2206,
0.2867


 49.7091, 0.2206,
0.2867


385.5273, 0.2642,
0.3087


 35.1823, 0.2105,
0.2811


 89.7437, 0.2359,
0.2948

 23.8033, 0.1981,
0.2738


 116.0203, 0.2418,
0.2979

 15.1878, 0.1824,
0.2641


 146.9824, 0.2468,
0.3004

 8.9513, 0.1621,
0.2507

 183.0142, 0.2512,
0.3026

 4.7094, 0.1353,
0.2311

224.5002, 0.2551,
0.3044

 2.0778, 0.0993,
0.2009

271.8248, 0.2585,

 0.6521, 0.0000,

0.3061

0.1559

325.3723, 0.2615,
0.3075

0.0000, 0.0000,
0.0000

49.7091, 0.2206,
0.2867

49.7091, 0.2206,
0.2867

47.1258, 0.2144,
0.2801

52.6775, 0.2287,
0.2933

44.8770, 0.2102,
0.2736

56.0629, 0.2387,
0.2998

43.4844, 0.2081,
0.2691

59.8996, 0.2504,
0.3060

64.2165, 0.2635,
0.3120

69.0399, 0.2776,
0.3176

74.3939, 0.2925,
0.3228

80.3012, 0.3078,
0.3276

86.7828, 0.3233,
0.3319

90.1964, 0.3263,
0.3360

Harmonies

Analogous

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



49.7091, 0.2375, 0.3334



49.7091, 0.2206, 0.2867



49.7091, 0.2257, 0.2570

Triad

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



49.7091, 0.2206, 0.2867



49.7091, 0.3476, 0.2817



49.7091, 0.3718, 0.4193

Complementary

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



49.7091, 0.2206, 0.2867



25.8213, 0.5372, 0.3574

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.



49.7091, 0.4060, 0.3954



49.7091, 0.2206, 0.2867



49.7091, 0.3928, 0.3176

Square

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



49.7091, 0.2206, 0.2867



49.7091, 0.2954, 0.2568



49.7091, 0.4145, 0.3580



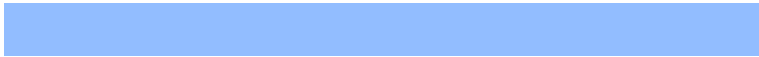
49.7091, 0.3233, 0.4171

Rectangle

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



49.7091, 0.2206, 0.2867



49.7091, 0.2409, 0.2485



49.7091, 0.4145, 0.3580



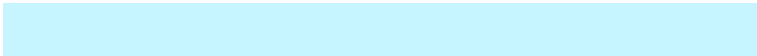
49.7091, 0.3854, 0.4136

Sweetspot

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



49.7109, 0.2206, 0.2867



84.5589, 0.2791, 0.3182



60.6623, 0.2928, 0.5323



17.7399, 0.2752, 0.3167



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.



49.7109, 0.2206, 0.2867



55.7887, 0.2120, 0.2767



20.3951, 0.1895, 0.1638



16.6311, 0.2981, 0.3246



24.6040, 0.2084, 0.2702



2.0528, 0.2109, 0.2792

Inverse Universe

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



25.3406, 0.3554, 0.1938



27.0935, 0.3661, 0.1840



49.2723, 0.4539, 0.4426



15.2643, 0.3166, 0.3099



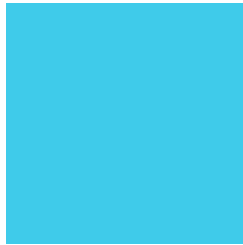
11.9766, 0.3727, 0.1827



0.9526, 0.3642, 0.1780

Previews

White Background



This preview shows how the Yxy color 49.7091, 0.2206, 0.2867 looks on a white background.

Color Contrast Check

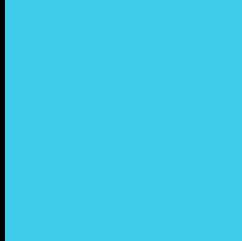
Large Text (above 18pt) WCAG AA × Fail

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 49.7091, 0.2206, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

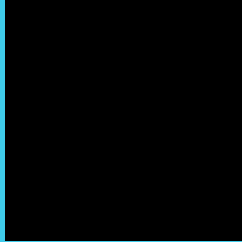
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7091, 0.2206, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 49.7091, 0.2206, 0.2867.

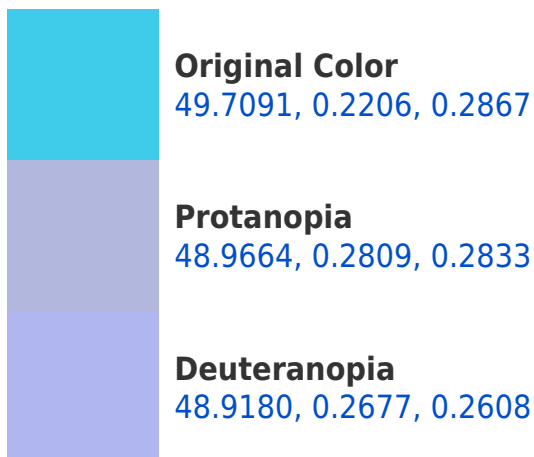


This preview shows how white text looks on a background with the Yxy color 49.7091, 0.2206, 0.2867.

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





Tritanopia

49.7208, 0.2241, 0.3050

Trichromacy



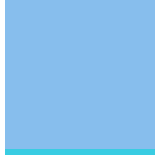
Original Color

49.7091, 0.2206, 0.2867



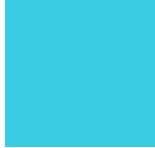
Protanomaly

47.9868, 0.2508, 0.2832



Deuteranomaly

48.0922, 0.2442, 0.2688



Tritanomaly

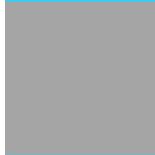
49.5466, 0.2228, 0.2983

Monochromacy



Original Color

49.7091, 0.2206, 0.2867



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.5471, 0.2648, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7091, 0.2206, 0.2867 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(63, 203, 234)` looks like.

```
.text, #text, p{  
    color:rgb(63, 203, 234)  
}
```

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(63, 203, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 203, 234) }
```

Border

The CSS property to change the border of an element to Yxy 49.7091, 0.2206, 0.2867 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(63, 203, 234) }
```

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

```
.border{ border-color:rgb(63, 203, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 203, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 203, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 203, 234);  
box-shadow:4px 4px 4px 4px rgb(63, 203,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7091, 0.2206, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 203, 234) }
```

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

```
.background{ background-color: rgb(63, 203,  
234) }
```

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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