

Converting Colors

$Y_{xy}(49.3159, 0.2274, 0.3138)$

Have a look what the booklet for
Yxy(49.3159, 0.2274, 0.3138)
contains.

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Color

Yxy(49.4388, 0.2277, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	39CDD7
RGB	57, 205, 215
RGB Percent	22%, 80%, 84%
CMY	0.7763, 0.1961, 0.1570
CMYK	0.73, 0.05, 0.00, 0.16
HSL	184°, 66%, 53%
HSV	184°, 73%, 84%
XYZ	35.7826, 49.4388, 71.9267
YIQ	161.8880, -91.4180, -28.2660

Conversions

Conversions Part 2

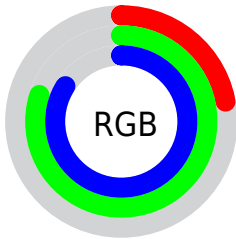
Format	Color
RYB	57, 133, 215
Decimal	3788247
CIELab	75.72, -34.33, -16.04
CIELCh	76, 37.889, 205.045
Yxy	49.4388, 0.2277, 0.3146
Android (android.graphics.Color)	4281978327 (0xFF39CDD7)
YUV	161.8880, 26.1842, -91.9868
Hunter-Lab	70.3127, -32.2074, -11.4320

Details

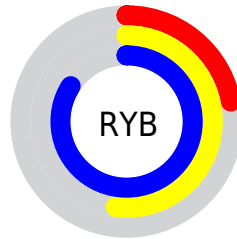
The Yxy color **49.4388, 0.2277, 0.3146** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.7539, 0.5554, 0.3386**, and the grayscale version is **35.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **24.3508, 0.2193, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **48.2902, 0.2231, 0.3125**, and if you desaturate by 10%, it is **50.8641, 0.2342, 0.3168**.

Distribution



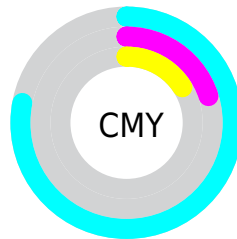
- Red (22%)
- Green (80%)
- Blue (84%)



- Red (22%)
- Yellow (52%)
- Blue (84%)



- Cyan (73%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)





- Cyan (78%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4388, 0.2277, 0.3146 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 49.4388, 0.2277, 0.3146 by changing the saturation by 10% instead.


 49.4388, 0.2277,
0.3146

 49.4388, 0.2277,
0.3146


384.4672, 0.2684,
0.3230

 34.9677, 0.2181,
0.3122


 89.3428, 0.2421,
0.3179

 23.6380, 0.2062,
0.3089


 115.5445, 0.2476,
0.3191


 15.0653, 0.1911,
0.3042


 146.4252, 0.2523,
0.3201

 8.8652, 0.1711,
0.2973

 182.3693, 0.2564,
0.3209

 4.6534, 0.1441,
0.2861

 223.7611, 0.2600,
0.3215

 2.0454, 0.1063,
0.2664

270.9851, 0.2631,

 0.6336, 0.0000,

0.3221

0.2332

324.4257, 0.2659,
0.3226

■ 0.0000, 0.0000,
0.0000

■ 49.4388, 0.2277,
0.3146

■ 49.4388, 0.2277,
0.3146

■ 48.2902, 0.2231,
0.3125

■ 50.8641, 0.2342,
0.3168

■ 47.3763, 0.2203,
0.3104


■ 52.5905, 0.2426,
0.3189

■ 46.8669, 0.2192,
0.3090


■ 54.6459, 0.2528,
0.3210

■ 57.0536, 0.2647,
0.3230

■ 59.8346, 0.2779,
0.3250

 63.0083, 0.2922,
0.3268

 66.5928, 0.3073,
0.3285

 70.6050, 0.3230,
0.3300

 75.0608, 0.3388,
0.3314

Harmonies

Analogous

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



49.4388, 0.2580, 0.3668



49.4388, 0.2277, 0.3146



49.4388, 0.2188, 0.2727

Triad

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



49.4388, 0.2277, 0.3146



49.4388, 0.3143, 0.2636



49.4388, 0.3969, 0.4074

Complementary

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



49.4388, 0.2277, 0.3146



18.7539, 0.5554, 0.3386

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.



49.4388, 0.4162, 0.3730



49.4388, 0.2277, 0.3146



49.4388, 0.3667, 0.2935

Square

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



49.4388, 0.2277, 0.3146



49.4388, 0.2655, 0.2479



49.4388, 0.4053, 0.3322



49.4388, 0.3554, 0.4234

Rectangle

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



49.4388, 0.2277, 0.3146



49.4388, 0.2252, 0.2554



49.4388, 0.4053, 0.3322



49.4388, 0.4063, 0.3973

Sweetspot

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



49.4406, 0.2277, 0.3146



88.6302, 0.2797, 0.3252



49.8385, 0.2994, 0.5540



18.7143, 0.2759, 0.3247



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.



49.4406, 0.2277, 0.3146



70.3196, 0.2214, 0.3113



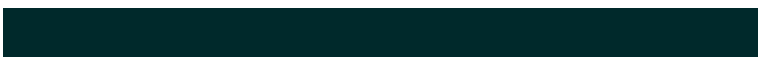
21.2429, 0.1969, 0.1928



13.9673, 0.2983, 0.3275



28.0995, 0.2193, 0.3093



1.7363, 0.2203, 0.3129

Inverse Universe

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



21.7811, 0.3317, 0.1784



28.5604, 0.3353, 0.1663



34.6557, 0.4727, 0.4232



12.6185, 0.3147, 0.3075



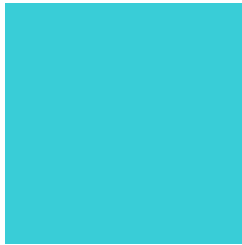
11.1815, 0.3373, 0.1632



0.6786, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 49.4388, 0.2277, 0.3146 looks on a white background.

Color Contrast Check

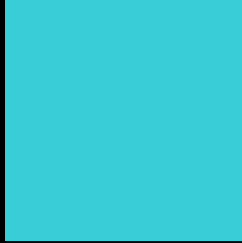
Large Text (above 18pt) WCAG AA × Fail

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 49.4388, 0.2277, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

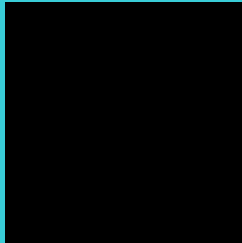
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

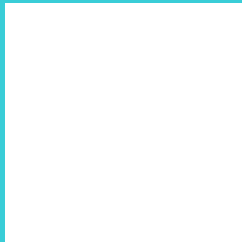
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4388, 0.2277, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 49.4388, 0.2277, 0.3146.

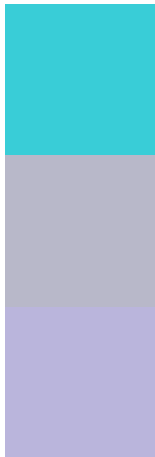


This preview shows how white text looks on a background with the Yxy color 49.4388, 0.2277, 0.3146.

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

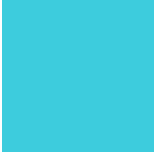
49.4388, 0.2277, 0.3146

Protanopia

48.6884, 0.2998, 0.3076

Deuteranopia

48.6542, 0.2875, 0.2815



Tritanopia

49.3983, 0.2258, 0.3050

Trichromacy



Original Color

49.4388, 0.2277, 0.3146



Protanomaly

47.5588, 0.2637, 0.3099



Deuteranomaly

47.3778, 0.2569, 0.2918



Tritanomaly

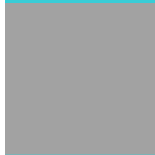
49.2609, 0.2263, 0.3077

Monochromacy



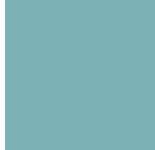
Original Color

49.4388, 0.2277, 0.3146



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.4621, 0.2678, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4388, 0.2277, 0.3146 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(57, 205, 215)` looks like.

```
.text, #text, p{  
    color:rgb(57, 205, 215)  
}
```

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(57, 205, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 205, 215) }
```

Border

The CSS property to change the border of an element to Yxy 49.4388, 0.2277, 0.3146 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(57, 205, 215) }
```

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

```
.border{ border-color:rgb(57, 205, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 205, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 205, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 205, 215);  
box-shadow:4px 4px 4px 4px rgb(57, 205,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4388, 0.2277, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 205, 215) }
```

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

```
.background{ background-color: rgb(57, 205,  
215) }
```

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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