

# Converting Colors

$Y_{xy}(44.8840, 0.2245, 0.2994)$

Have a look what the booklet for  
Yxy(44.8840, 0.2245, 0.2994)  
contains.

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# Color

**Yxy(44.8972, 0.2247, 0.2999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CC3D7
RGB	60, 195, 215
RGB Percent	24%, 76%, 84%
CMY	0.7650, 0.2353, 0.1569
CMYK	0.72, 0.09, 0.00, 0.16
HSL	188°, 66%, 54%
HSV	188°, 72%, 84%
XYZ	33.6392, 44.8972, 71.1708
YIQ	156.9150, -86.8800, -22.4000

# Conversions

## Conversions Part 2

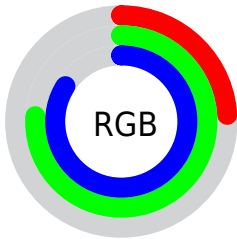
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 132, 215
Decimal	3982295
CIELab	72.82, -29.19, -20.43
CIElCh	73, 35.624, 214.986
Yxy	44.8972, 0.2247, 0.2999
Android (android.graphics.Color)	4282172375 (0xFF3CC3D7)
YUV	156.9150, 28.6359, -84.9945
Hunter-Lab	67.0054, -27.6457, -16.0721

# Details

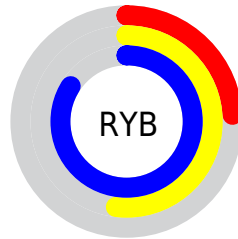
The Yxy color **44.8972, 0.2247, 0.2999** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.4944, 0.5396, 0.3489**, and the grayscale version is **33.5677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4300, 0.2468, 0.3254**, and **21.5878, 0.2143, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **43.1309, 0.2190, 0.2954**, and if you desaturate by 10%, it is **46.9615, 0.2323, 0.3044**.

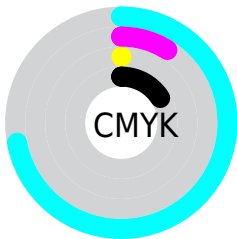
# Distribution



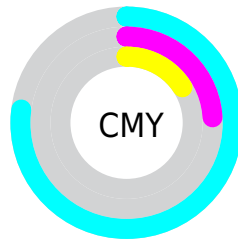
- Red (24%)
- Green (76%)
- Blue (84%)



- Red (24%)
- Yellow (52%)
- Blue (84%)



- Cyan (72%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)




- Cyan (77%)
- Magenta (24%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8972, 0.2247, 0.2999 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 44.8972, 0.2247, 0.2999 by changing the saturation by 10% instead.





 44.8972, 0.2247,  
0.2999

 44.8972, 0.2247,  
0.2999


366.3571, 0.2673,  
0.3158

 31.3765, 0.2146,  
0.2956


 82.5661, 0.2398,  
0.3060

 20.8857, 0.2019,  
0.2898


 107.4831, 0.2456,  
0.3082


 13.0405, 0.1857,  
0.2820


 136.9676, 0.2506,  
0.3100

 7.4564, 0.1643,  
0.2705

 171.4041, 0.2548,  
0.3115

 3.7491, 0.1352,  
0.2528

 211.1768, 0.2586,  
0.3128

 1.5342, 0.0928,  
0.2235

256.6703, 0.2618,

 0.3127, 0.0000,

0.3140

0.1345

308.2689, 0.2648,  
0.3149

■ 0.0000, 0.0000,  
0.0000

■ 44.8972, 0.2247,  
0.2999

■ 44.8972, 0.2247,  
0.2999

■ 43.1309, 0.2190,  
0.2954

■ 46.9615, 0.2323,  
0.3044

■ 41.6223, 0.2152,  
0.2909


■ 49.3484, 0.2418,  
0.3089


■ 40.5687, 0.2132,  
0.2873


■ 52.0852, 0.2530,  
0.3133


■ 55.1950, 0.2657,  
0.3174

■ 58.6986, 0.2795,  
0.3213

 62.6155, 0.2942,  
0.3250

 66.9635, 0.3094,  
0.3283

 71.7596, 0.3250,  
0.3314

 77.0197, 0.3405,  
0.3341

# Harmonies

## Analogous

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



44.8972, 0.2477, 0.3489



44.8972, 0.2247, 0.2999



44.8972, 0.2232, 0.2649

# Triad

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



44.8972, 0.2247, 0.2999



44.8972, 0.3316, 0.2736



44.8972, 0.3831, 0.4130

# Complementary

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



44.8972, 0.2247, 0.2999



20.4944, 0.5396, 0.3489

# 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.



44.8972, 0.4101, 0.3843



44.8972, 0.2247, 0.2999



44.8972, 0.3799, 0.3064

# Square

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



44.8972, 0.2247, 0.2999



44.8972, 0.2813, 0.2533



44.8972, 0.4095, 0.3456



44.8972, 0.3383, 0.4195



# Rectangle

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



44.8972, 0.2247, 0.2999



44.8972, 0.2341, 0.2524



44.8972, 0.4095, 0.3456



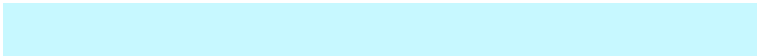
44.8972, 0.3947, 0.4053

# Sweetspot

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



44.8988, 0.2247, 0.2999



86.3438, 0.2794, 0.3213



50.1014, 0.2958, 0.5383



18.1666, 0.2755, 0.3202



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

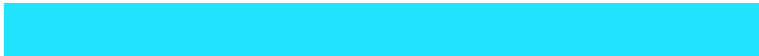


# Same Dimension

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



44.8988, 0.2247, 0.2999



62.1678, 0.2166, 0.2928



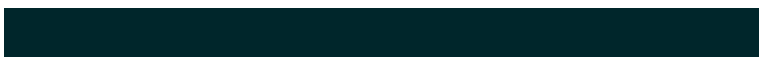
19.1465, 0.1944, 0.1793



13.8222, 0.2983, 0.3259



24.3791, 0.2133, 0.2880



1.5483, 0.2155, 0.2957



# Inverse Universe

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



21.6103, 0.3439, 0.1882



27.8702, 0.3514, 0.1762



38.3960, 0.4589, 0.4335



12.6039, 0.3157, 0.3089



10.8059, 0.3561, 0.1735

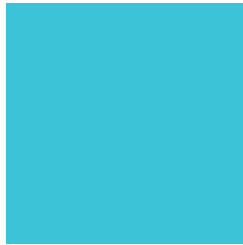


0.6596, 0.3492, 0.1697



# Previews

## White Background



This preview shows how the Yxy color 44.8972, 0.2247, 0.2999 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 44.8972, 0.2247, 0.2999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

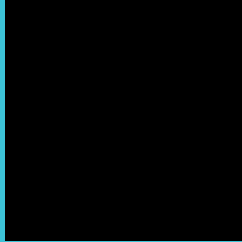
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8972, 0.2247, 0.2999**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8972, 0.2247, 0.2999.



This preview shows how white text looks on a background with the Yxy color 44.8972, 0.2247, 0.2999.

# 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

44.8972, 0.2247, 0.2999

### Protanopia

44.1992, 0.2900, 0.2952

### Deuteranopia

44.3236, 0.2770, 0.2711



## Tritanopia

45.0825, 0.2263, 0.3069

# Trichromacy



**Original Color**

44.8972, 0.2247, 0.2999

**Protanomaly**

43.2775, 0.2576, 0.2956

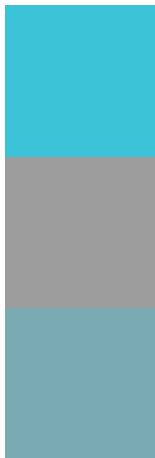
**Deuteranomaly**

43.4234, 0.2510, 0.2802

**Tritanomaly**

45.1631, 0.2261, 0.3055

# Monochromacy



**Original Color**

44.8972, 0.2247, 0.2999

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

36.4777, 0.2671, 0.3182

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8972, 0.2247, 0.2999 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(60, 195, 215)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 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(60, 195, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8972, 0.2247, 0.2999 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(60, 195, 215) }
```

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

```
.border{ border-color:rgb(60, 195, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 195, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 215);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8972, 0.2247, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 215) }
```

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

```
.background{ background-color: rgb(60, 195,  
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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