

Converting Colors

$Y_{xy}(42.3818, 0.2275, 0.3133)$

Have a look what the booklet for
Yxy(42.3818, 0.2275, 0.3133)
contains.

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Color

Yxy(42.2355, 0.2275, 0.3136)

Conversions

Conversions Part 1	
Format	Color
Hex	35BFC9
RGB	53, 191, 201
RGB Percent	21%, 75%, 79%
CMY	0.7925, 0.2510, 0.2117
CMYK	0.74, 0.05, 0.00, 0.21
HSL	184°, 58%, 50%
HSV	184°, 74%, 79%
XYZ	30.6396, 42.2355, 61.8044
YIQ	150.8780, -85.4580, -26.1460

Conversions

Conversions Part 2

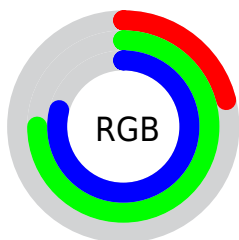
Format	Color
RYB	53, 124, 201
Decimal	3522505
CIELab	71.03, -32.31, -15.54
CIELCh	71, 35.850, 205.687
Yxy	42.2355, 0.2275, 0.3136
Android (android.graphics.Color)	4281712585 (0xFF35BFC9)
YUV	150.8780, 24.7101, -85.8390
Hunter-Lab	64.9888, -29.5750, -10.8926

Details

The Yxy color **42.2355, 0.2275, 0.3136** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.2237, 0.5543, 0.3392**, and the grayscale version is **30.8044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4924, 0.2437, 0.3207**, and **19.9979, 0.2189, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **41.2128, 0.2229, 0.3113**, and if you desaturate by 10%, it is **43.4951, 0.2340, 0.3159**.

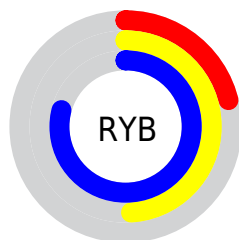
Distribution



Red (21%)

Green (75%)

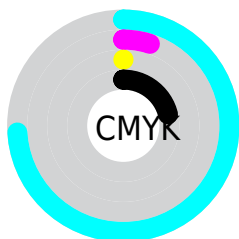
Blue (79%)



Red (21%)

Yellow (49%)

Blue (79%)

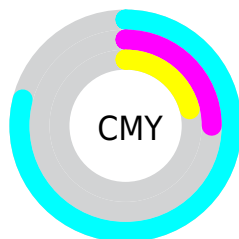


Cyan (74%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (79%)


Magenta (25%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2355, 0.2275, 0.3136 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 42.2355, 0.2275, 0.3136 by changing the saturation by 10% instead.


 42.2355, 0.2275,
0.3136


 42.2355, 0.2275,
0.3136


355.4582, 0.2694,
0.3227


 29.2857, 0.2174,
0.3109


 78.5559, 0.2425,
0.3172


 19.2971, 0.2046,
0.3072


 102.6954, 0.2482,
0.3185


 11.8851, 0.1880,
0.3018


 131.3335, 0.2531,
0.3196

 6.6655, 0.1657,
0.2935

 164.8547, 0.2573,
0.3204

 3.2538, 0.1349,
0.2797

 203.6434, 0.2609,
0.3211

 1.2656, 0.0759,
0.2580


248.0840, 0.2641,


 0.1144, 0.0000,


0.3217


0.0849


298.5608, 0.2669,
0.3223

 0.0000, 0.0000,
0.0000


 42.2355, 0.2275,
0.3136


 42.2355, 0.2275,
0.3136


 41.2128, 0.2229,
0.3113


 43.4951, 0.2340,
0.3159

 40.3914, 0.2200,
0.3091

 45.0123, 0.2425,
0.3182


 39.9409, 0.2188,
0.3076


 46.8108, 0.2527,
0.3204


 48.9103, 0.2645,
0.3226

 51.3288, 0.2777,
0.3247

 54.0826, 0.2920,
0.3266

 57.1872, 0.3071,
0.3284

 60.6569, 0.3226,
0.3300

 64.5053, 0.3383,
0.3315

Harmonies

Analogous

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



42.2355, 0.2573, 0.3656



42.2355, 0.2275, 0.3136



42.2355, 0.2191, 0.2722

Triad

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



42.2355, 0.2275, 0.3136



42.2355, 0.3154, 0.2642



42.2355, 0.3960, 0.4078

Complementary

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



42.2355, 0.2275, 0.3136



16.2237, 0.5543, 0.3392

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.



42.2355, 0.4158, 0.3738



42.2355, 0.2275, 0.3136



42.2355, 0.3676, 0.2943

Square

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



42.2355, 0.2275, 0.3136



42.2355, 0.2665, 0.2483



42.2355, 0.4056, 0.3331



42.2355, 0.3542, 0.4231

Rectangle

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



42.2355, 0.2275, 0.3136



42.2355, 0.2258, 0.2552



42.2355, 0.4056, 0.3331



42.2355, 0.4056, 0.3978

Sweetspot

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



42.2371, 0.2275, 0.3136



88.4731, 0.2796, 0.3249



42.8919, 0.2985, 0.5509



18.6766, 0.2758, 0.3244



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.



42.2371, 0.2275, 0.3136



69.7274, 0.2211, 0.3101



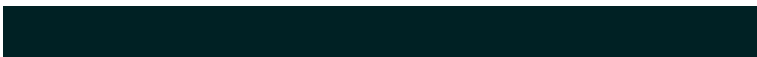
17.7179, 0.1959, 0.1889



11.9400, 0.2984, 0.3274



25.1632, 0.2189, 0.3080



1.2293, 0.2202, 0.3126

Inverse Universe

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



18.7209, 0.3325, 0.1790



28.5006, 0.3364, 0.1670



30.5227, 0.4697, 0.4260



10.8038, 0.3148, 0.3077



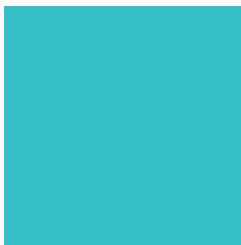
10.0802, 0.3385, 0.1638



0.4811, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 42.2355, 0.2275, 0.3136 looks on a white background.

Color Contrast Check

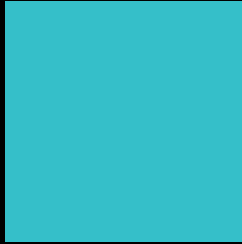
Large Text (above 18pt) WCAG AA × Fail

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 42.2355, 0.2275, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

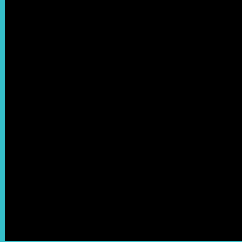
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

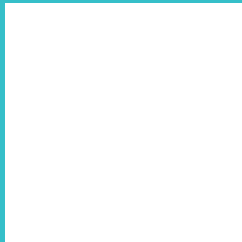
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2355, 0.2275, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 42.2355, 0.2275, 0.3136.

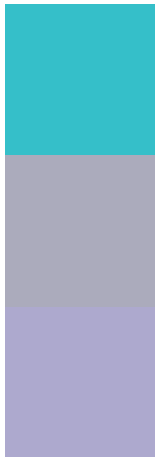


This preview shows how white text looks on a background with the Yxy color 42.2355, 0.2275, 0.3136.

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

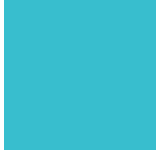
42.2355, 0.2275, 0.3136

Protanopia

41.4146, 0.2989, 0.3061

Deuteranopia

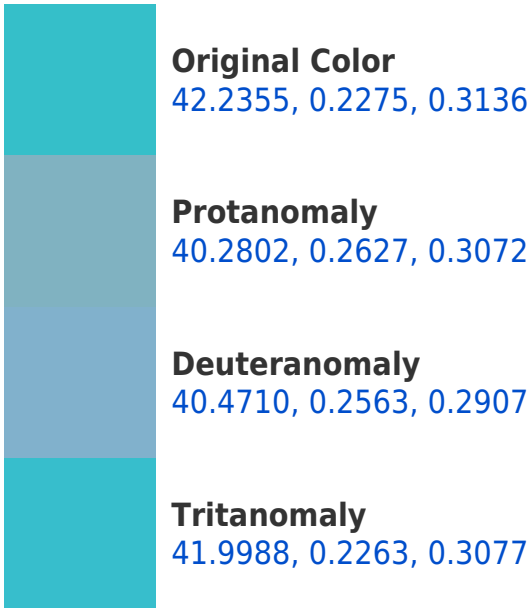
41.7164, 0.2867, 0.2810



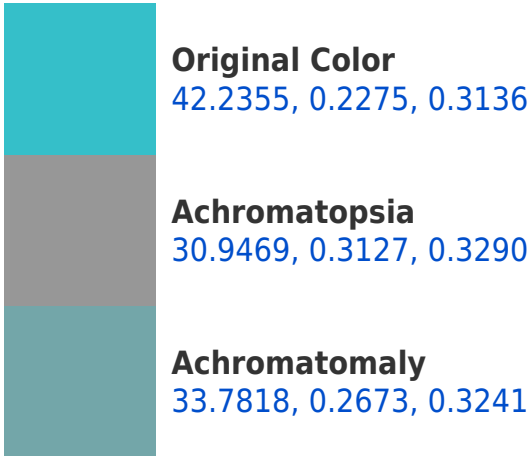
Tritanopia

42.1239, 0.2257, 0.3048

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2355, 0.2275, 0.3136 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(53, 191, 201) looks like.

```
.text, #text, p{  
    color:rgb(53, 191, 201)  
}
```

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(53, 191, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 191, 201) }
```

Border

The CSS property to change the border of an element to Yxy 42.2355, 0.2275, 0.3136 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(53, 191, 201) }
```

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

```
.border{ border-color:rgb(53, 191, 201) }
```

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

Here you see how a box with a 4 pixel rgb(53, 191, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 191, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 191, 201);  
box-shadow:4px 4px 4px 4px rgb(53, 191,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2355, 0.2275, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 191, 201) }
```

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

```
.background{ background-color: rgb(53, 191,  
201) }
```

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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