

Converting Colors

$Y_{xy}(44.8367, 0.2250, 0.3065)$

Have a look what the booklet for
Yxy(44.8367, 0.2250, 0.3065)
contains.

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Color

Yxy(44.9399, 0.2251, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	35C4D3
RGB	53, 196, 211
RGB Percent	21%, 77%, 83%
CMY	0.7915, 0.2314, 0.1725
CMYK	0.75, 0.07, 0.00, 0.17
HSL	186°, 64%, 52%
HSV	186°, 75%, 83%
XYZ	32.9725, 44.9399, 68.5670
YIQ	154.9530, -90.0430, -25.6510

Conversions

Conversions Part 2

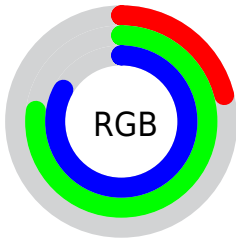
Format	Color
RYB	53, 128, 211
Decimal	3523795
CIELab	72.85, -31.66, -18.23
CIELCh	73, 36.536, 209.940
Yxy	44.9399, 0.2251, 0.3068
Android (android.graphics.Color)	4281713875 (0xFF35C4D3)
YUV	154.9530, 27.6312, -89.4128
Hunter-Lab	67.0372, -29.5192, -13.7170

Details

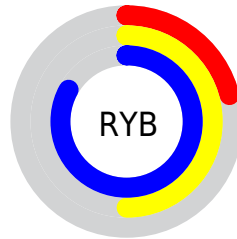
The Yxy color **44.9399, 0.2251, 0.3068** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.2644, 0.5561, 0.3433**, and the grayscale version is **32.6834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7556, 0.2456, 0.3265**, and **21.7463, 0.2170, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **43.5889, 0.2204, 0.3035**, and if you desaturate by 10%, it is **46.5581, 0.2318, 0.3101**.

Distribution



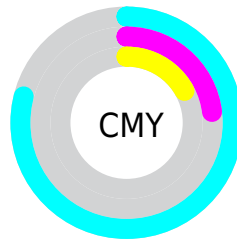
- Red (21%)
- Green (77%)
- Blue (83%)



- Red (21%)
- Yellow (50%)
- Blue (83%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)





- Cyan (79%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9399, 0.2251, 0.3068 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 44.9399, 0.2251, 0.3068 by changing the saturation by 10% instead.


 44.9399, 0.2251,
0.3068

 44.9399, 0.2251,
0.3068


366.5301, 0.2676,
0.3193

 31.4101, 0.2150,
0.3033


 82.6302, 0.2402,
0.3116

 20.9113, 0.2023,
0.2986


 107.5595, 0.2460,
0.3134

 13.0592, 0.1860,
0.2920


 137.0574, 0.2509,
0.3148

 7.4693, 0.1645,
0.2822

 171.5084, 0.2552,
0.3160

 3.7573, 0.1352,
0.2667

 211.2967, 0.2589,
0.3170

 1.5387, 0.0906,
0.2407

256.8068, 0.2621,

 0.3158, 0.0000,

0.3179

0.1508

308.4232, 0.2650,
0.3186

0.0000, 0.0000,
0.0000

44.9399, 0.2251,
0.3068

44.9399, 0.2251,
0.3068

43.5889, 0.2204,
0.3035

46.5581, 0.2318,
0.3101

42.4644, 0.2174,
0.3003

48.4679, 0.2403,
0.3134

41.9371, 0.2163,
0.2986

50.6962, 0.2507,
0.3166

53.2657, 0.2626,
0.3196

56.1966, 0.2759,
0.3226

■ 59.5079, 0.2902,
0.3253

■ 63.2168, 0.3053,
0.3279

■ 67.3398, 0.3208,
0.3302

■ 71.8922, 0.3365,
0.3323

Harmonies

Analogous

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



44.9399, 0.2520, 0.3582



44.9399, 0.2251, 0.3068



44.9399, 0.2199, 0.2679

Triad

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



44.9399, 0.2251, 0.3068



44.9399, 0.3230, 0.2679



44.9399, 0.3910, 0.4113

Complementary

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



44.9399, 0.2251, 0.3068



18.2644, 0.5561, 0.3433

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.



44.9399, 0.4145, 0.3791



44.9399, 0.2251, 0.3068



44.9399, 0.3742, 0.2995

Square

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



44.9399, 0.2251, 0.3068



44.9399, 0.2728, 0.2496



44.9399, 0.4088, 0.3389



44.9399, 0.3472, 0.4229

Rectangle

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



44.9399, 0.2251, 0.3068



44.9399, 0.2286, 0.2529



44.9399, 0.4088, 0.3389



44.9399, 0.4017, 0.4022

Sweetspot

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



44.9416, 0.2251, 0.3068



87.5111, 0.2795, 0.3233



47.7497, 0.2976, 0.5515



18.4460, 0.2757, 0.3225



0.0000, 0.0000, 0.0000



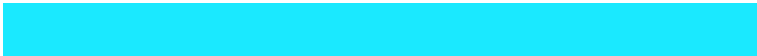
21.4041, 0.3127, 0.3290

Same Dimension

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



44.9416, 0.2251, 0.3068



65.8082, 0.2183, 0.3015



18.6427, 0.1931, 0.1816



13.2068, 0.2983, 0.3267



25.3899, 0.2164, 0.2991



1.4768, 0.2181, 0.3050

Inverse Universe

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



20.3964, 0.3383, 0.1811



27.8698, 0.3438, 0.1701



34.4324, 0.4700, 0.4296



11.9889, 0.3152, 0.3082



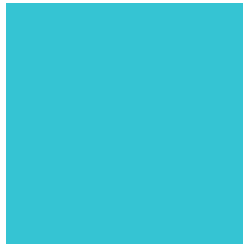
10.6344, 0.3462, 0.1681



0.6004, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 44.9399, 0.2251, 0.3068 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 44.9399, 0.2251, 0.3068 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 44.9399, 0.2251, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 44.9399, 0.2251, 0.3068.

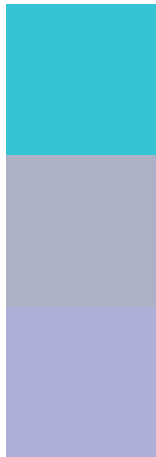


This preview shows how white text looks on a background with the Yxy color 44.9399, 0.2251, 0.3068.

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

44.9399, 0.2251, 0.3068

Protanopia

44.1266, 0.2938, 0.3002

Deuteranopia

44.3439, 0.2813, 0.2759



Tritanopia

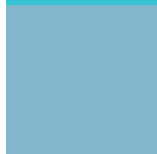
45.0176, 0.2249, 0.3054

Trichromacy



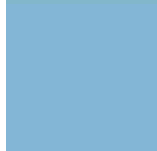
Original Color

44.9399, 0.2251, 0.3068



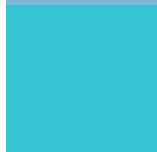
Protanomaly

42.9246, 0.2587, 0.3008



Deuteranomaly

43.1362, 0.2527, 0.2851



Tritanomaly

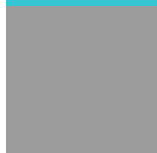
45.0176, 0.2249, 0.3054

Monochromacy



Original Color

44.9399, 0.2251, 0.3068



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.6961, 0.2661, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9399, 0.2251, 0.3068 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, 196, 211)` looks like.

```
.text, #text, p{  
    color:rgb(53, 196, 211)  
}
```

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, 196, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 196, 211) }
```

Border

The CSS property to change the border of an element to Yxy 44.9399, 0.2251, 0.3068 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, 196, 211) }
```

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

```
.border{ border-color:rgb(53, 196, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 196, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 196, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 196, 211);  
box-shadow:4px 4px 4px 4px rgb(53, 196,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9399, 0.2251, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 196, 211) }
```

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

```
.background{ background-color: rgb(53, 196,  
211) }
```

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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