

Converting Colors

$Yxy(59.6154, 0.2302, 0.3177)$

Have a look what the booklet for
Yxy(59.6154, 0.2302, 0.3177)
contains.

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Color

Yxy(59.8470, 0.2305, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	46DFE7
RGB	70, 223, 231
RGB Percent	27%, 87%, 91%
CMY	0.7245, 0.1256, 0.0940
CMYK	0.70, 0.03, 0.00, 0.09
HSL	183°, 77%, 59%
HSV	183°, 70%, 91%
XYZ	43.3524, 59.8470, 84.8804
YIQ	178.1650, -93.7560, -29.9480

Conversions

Conversions Part 2

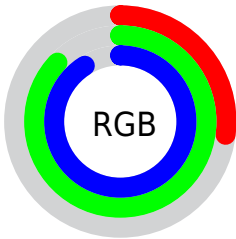
Format	Color
RYB	70, 148, 231
Decimal	4644839
CIELab	81.75, -36.47, -15.53
CIELCh	82, 39.642, 203.057
Yxy	59.8470, 0.2305, 0.3182
Android (android.graphics.Color)	4282834919 (0xFF46DFE7)
YUV	178.1650, 26.0477, -94.8607
Hunter-Lab	77.3608, -35.3515, -10.9005




Details

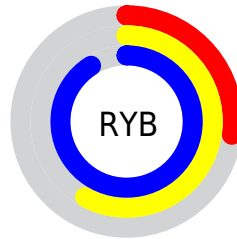
The Yxy color **59.8470, 0.2305, 0.3182** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.9275, 0.5409, 0.3368**, and the grayscale version is **44.5478, 0.3127, 0.3290**.




A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **30.7326, 0.2208, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **58.5308, 0.2254, 0.3165**, and if you desaturate by 10%, it is **61.5025, 0.2376, 0.3199**.

Distribution







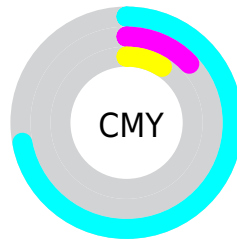
-  Red (27%)
-  Green (87%)
-  Blue (91%)






-  Red (27%)
-  Yellow (58%)
-  Blue (91%)



-  Cyan (70%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (9%)





-  Cyan (72%)
-  Magenta (13%)
-  Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8470, 0.2305, 0.3182 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 59.8470, 0.2305, 0.3182 by changing the saturation by 10% instead.


 59.8470, 0.2305,
0.3182


 59.8470, 0.2305,
0.3182


424.0336, 0.2687,
0.3246

 43.2953, 0.2218,
0.3164


 104.6077, 0.2437,
0.3207

 30.1169, 0.2112,
0.3139


 133.5855, 0.2489,
0.3216

 19.9273, 0.1978,
0.3105

 167.4741, 0.2533,
0.3223

 12.3422, 0.1806,
0.3056

 206.6580, 0.2572,
0.3229

 6.9772, 0.1577,
0.2978

251.5215, 0.2606,
0.3234

 3.4478, 0.1264,
0.2847

302.4490, 0.2636,

 1.3698, 0.0669,

0.3239

0.2644

359.8249, 0.2662,
0.3243

0.1943, 0.0000,
0.1269

0.0000, 0.0000,
0.0000

59.8470, 0.2305,
0.3182

59.8470, 0.2305,
0.3182

58.5308, 0.2254,
0.3165

61.5025, 0.2376,
0.3199

57.5071, 0.2221,
0.3148

63.5244, 0.2465,
0.3216

56.7120, 0.2204,
0.3132


65.9446, 0.2573,
0.3232

56.6810, 0.2203,
0.3131

68.7899, 0.2696,
0.3248

 72.0845, 0.2833,
0.3263

 75.8508, 0.2980,
0.3278

 80.1099, 0.3134,
0.3291

 84.8679, 0.3291,
0.3302

 85.5208, 0.3290,
0.3314

Harmonies

Analogous

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



59.8470, 0.2617, 0.3694



59.8470, 0.2305, 0.3182



59.8470, 0.2203, 0.2760

Triad

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



59.8470, 0.2305, 0.3182



59.8470, 0.3109, 0.2631



59.8470, 0.3975, 0.4043

Complementary

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



59.8470, 0.2305, 0.3182



22.9275, 0.5409, 0.3368

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.



59.8470, 0.4146, 0.3698



59.8470, 0.2305, 0.3182



59.8470, 0.3626, 0.2918

Square

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



59.8470, 0.2305, 0.3182



59.8470, 0.2636, 0.2488



59.8470, 0.4019, 0.3296



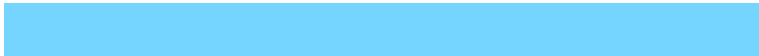
59.8470, 0.3579, 0.4214

Rectangle

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



59.8470, 0.2305, 0.3182



59.8470, 0.2256, 0.2580



59.8470, 0.4019, 0.3296



59.8470, 0.4062, 0.3941

Sweetspot

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



59.8492, 0.2305, 0.3182



89.5244, 0.2811, 0.3261



58.9902, 0.3006, 0.5470



18.9098, 0.2773, 0.3257



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.



59.8492, 0.2305, 0.3182



72.5668, 0.2236, 0.3157



27.4183, 0.2025, 0.2046



16.2064, 0.2982, 0.3278



31.8266, 0.2204, 0.3134



2.3900, 0.2211, 0.3158

Inverse Universe

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



26.7313, 0.3284, 0.1811



29.3817, 0.3314, 0.1668



41.2130, 0.4664, 0.4182



14.6021, 0.3146, 0.3070



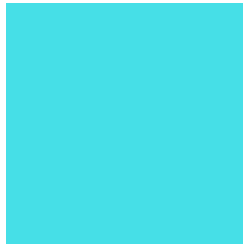
12.4106, 0.3338, 0.1612



0.9210, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 59.8470, 0.2305, 0.3182 looks on a white background.

Color Contrast Check

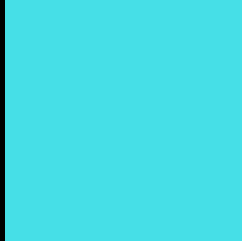
Large Text (above 18pt) WCAG AA × Fail

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 59.8470, 0.2305, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

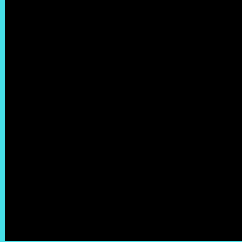
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8470, 0.2305, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 59.8470, 0.2305, 0.3182.

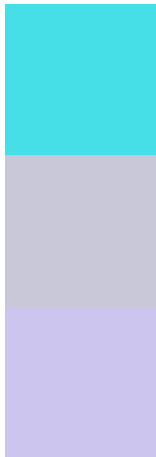


This preview shows how white text looks on a background with the Yxy color 59.8470, 0.2305, 0.3182.

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

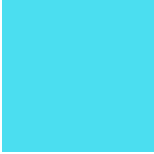
59.8470, 0.2305, 0.3182

Protanopia

58.7358, 0.3015, 0.3092

Deuteranopia

58.8843, 0.2901, 0.2840



Tritanopia

60.0297, 0.2278, 0.3056

Trichromacy



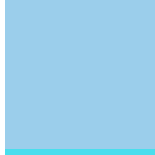
Original Color

59.8470, 0.2305, 0.3182



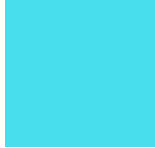
Protanomaly

57.1580, 0.2662, 0.3113



Deuteranomaly

57.1093, 0.2599, 0.2934



Tritanomaly

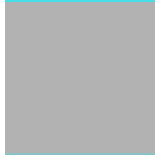
59.7734, 0.2285, 0.3093

Monochromacy



Original Color

59.8470, 0.2305, 0.3182



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.1038, 0.2702, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8470, 0.2305, 0.3182 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(70, 223, 231)` looks like.

```
.text, #text, p{  
    color:rgb(70, 223, 231)  
}
```

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(70, 223, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 223, 231) }
```

Border

The CSS property to change the border of an element to Yxy 59.8470, 0.2305, 0.3182 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(70, 223, 231) }
```

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

```
.border{ border-color:rgb(70, 223, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 223, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 223, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 223, 231);  
box-shadow:4px 4px 4px 4px rgb(70, 223,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8470, 0.2305, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 223, 231) }
```

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

```
.background{ background-color: rgb(70, 223,  
231) }
```

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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