

Converting Colors

$Y_{xy}(59.2798, 0.2314, 0.3166)$

Have a look what the booklet for
Yxy(59.2798, 0.2314, 0.3166)
contains.

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Color

Yxy(59.5079, 0.2314, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	4BDEE7
RGB	75, 222, 231
RGB Percent	29%, 87%, 91%
CMY	0.7057, 0.1294, 0.0940
CMYK	0.68, 0.04, 0.00, 0.09
HSL	183°, 76%, 60%
HSV	183°, 68%, 91%
XYZ	43.4526, 59.5079, 84.8208
YIQ	179.0730, -90.5010, -28.3650

Conversions

Conversions Part 2

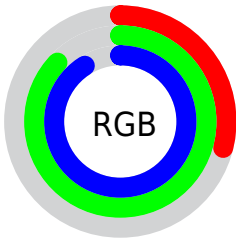
Format	Color
RYB	75, 151, 231
Decimal	4972263
CIELab	81.57, -35.38, -15.80
CIELCh	82, 38.749, 204.065
Yxy	59.5079, 0.2314, 0.3169
Android (android.graphics.Color)	4283162343 (0xFF4BDEE7)
YUV	179.0730, 25.6000, -91.2720
Hunter-Lab	77.1414, -34.4510, -11.1934

Details

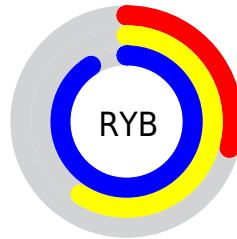
The Yxy color **59.5079, 0.2314, 0.3169** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.8570, 0.5302, 0.3381**, and the grayscale version is **45.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **30.3676, 0.2203, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **58.0328, 0.2258, 0.3149**, and if you desaturate by 10%, it is **61.3312, 0.2390, 0.3189**.

Distribution



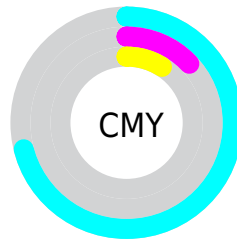
- Red (29%)
- Green (87%)
- Blue (91%)



- Red (29%)
- Yellow (59%)
- Blue (91%)



- Cyan (68%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (71%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5079, 0.2314, 0.3169 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 59.5079, 0.2314, 0.3169 by changing the saturation by 10% instead.


 59.5079, 0.2314,
0.3169

 59.5079, 0.2314,
0.3169


422.7815, 0.2692,
0.3239

 43.0221, 0.2228,
0.3149


 104.1155, 0.2445,
0.3196


 29.9025, 0.2122,
0.3123


 133.0061, 0.2496,
0.3206

 19.7646, 0.1990,
0.3087


 166.8004, 0.2540,
0.3214

 12.2240, 0.1818,
0.3035

 205.8828, 0.2578,
0.3221

 6.8964, 0.1590,
0.2954

250.6377, 0.2612,
0.3226

 3.3974, 0.1278,
0.2817

301.4496, 0.2641,

 1.3426, 0.0686,

0.3231

358.7027, 0.2668,
0.3235

0.2605

0.1738, 0.0000,
0.1154

0.0000, 0.0000,
0.0000

59.5079, 0.2314,
0.3169

59.5079, 0.2314,
0.3169

58.0328, 0.2258,
0.3149

61.3312, 0.2390,
0.3189

56.8605, 0.2221,
0.3130


63.5290, 0.2484,
0.3208

55.9417, 0.2200,
0.3111


66.1324, 0.2596,
0.3227


55.7325, 0.2196,
0.3106


69.1674, 0.2723,
0.3246

 72.6581, 0.2862,
0.3263

 76.6266, 0.3011,
0.3279

 81.0935, 0.3166,
0.3294

 85.1418, 0.3291,
0.3307

 85.9013, 0.3289,
0.3320

Harmonies

Analogous

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



59.5079, 0.2614, 0.3669



59.5079, 0.2314, 0.3169



59.5079, 0.2220, 0.2760

Triad

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



59.5079, 0.2314, 0.3169



59.5079, 0.3127, 0.2651



59.5079, 0.3948, 0.4038

Complementary

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



59.5079, 0.2314, 0.3169



23.8570, 0.5302, 0.3381

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.



59.5079, 0.4124, 0.3705



59.5079, 0.2314, 0.3169



59.5079, 0.3631, 0.2937

Square

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



59.5079, 0.2314, 0.3169



59.5079, 0.2659, 0.2505



59.5079, 0.4009, 0.3310



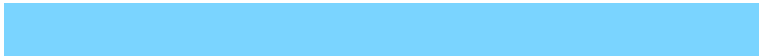
59.5079, 0.3555, 0.4196

Rectangle

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



59.5079, 0.2314, 0.3169



59.5079, 0.2277, 0.2588



59.5079, 0.4009, 0.3310



59.5079, 0.4036, 0.3940

Sweetspot

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



59.5101, 0.2314, 0.3169



89.7068, 0.2825, 0.3258



59.2905, 0.2999, 0.5381



18.9333, 0.2785, 0.3254



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.



59.5101, 0.2314, 0.3169



71.9811, 0.2241, 0.3142



27.5940, 0.2043, 0.2050



16.1858, 0.2982, 0.3276



31.2986, 0.2197, 0.3109



2.3566, 0.2205, 0.3137

Inverse Universe

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



27.3070, 0.3293, 0.1848



29.8840, 0.3326, 0.1699



42.9371, 0.4587, 0.4194



14.6001, 0.3147, 0.3072



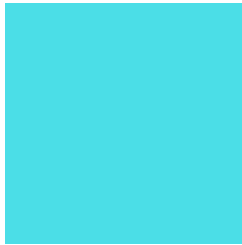
12.3573, 0.3359, 0.1624



0.9176, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 59.5079, 0.2314, 0.3169 looks on a white background.

Color Contrast Check

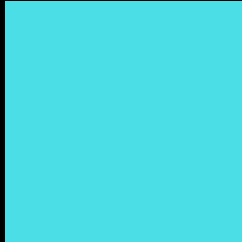
Large Text (above 18pt) WCAG AA × Fail

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 59.5079, 0.2314, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

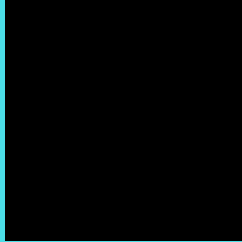
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.5079, 0.2314, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 59.5079, 0.2314, 0.3169.



This preview shows how white text looks on a background with the Yxy color 59.5079, 0.2314, 0.3169.

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

59.5079, 0.2314, 0.3169

Protanopia

58.5977, 0.3007, 0.3091

Deuteranopia

58.2908, 0.2893, 0.2827



Tritanopia

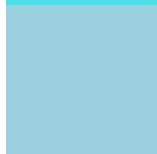
59.6072, 0.2289, 0.3056

Trichromacy



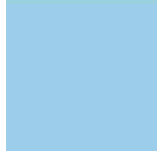
Original Color

59.5079, 0.2314, 0.3169



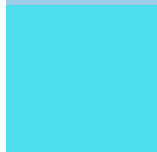
Protanomaly

57.3542, 0.2674, 0.3114



Deuteranomaly

56.7287, 0.2603, 0.2922



Tritanomaly

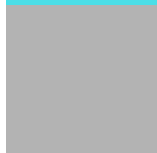
59.3887, 0.2299, 0.3093

Monochromacy



Original Color

59.5079, 0.2314, 0.3169



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.7702, 0.2710, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5079, 0.2314, 0.3169 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(75, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(75, 222, 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(75, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 222, 231) }
```

Border

The CSS property to change the border of an element to Yxy 59.5079, 0.2314, 0.3169 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(75, 222, 231) }
```

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

```
.border{ border-color:rgb(75, 222, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 222, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(75, 222,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5079, 0.2314, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 222, 231) }
```

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

```
.background{ background-color: rgb(75, 222,  
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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