

Converting Colors

$Y_{xy}(59.5540, 0.2343, 0.3071)$

Have a look what the booklet for
Yxy(59.5540, 0.2343, 0.3071)
contains.

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Color

Yxy(59.7337, 0.2343, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	5FDCED
RGB	95, 220, 237
RGB Percent	37%, 86%, 93%
CMY	0.6280, 0.1372, 0.0706
CMYK	0.60, 0.07, 0.00, 0.07
HSL	187°, 80%, 65%
HSV	187°, 60%, 93%
XYZ	45.5883, 59.7337, 89.2503
YIQ	184.5630, -79.9570, -21.2130

Conversions

Conversions Part 2

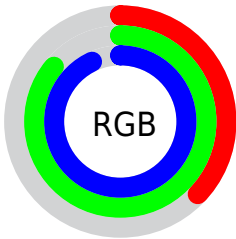
Format	Color
RYB	95, 161, 237
Decimal	6282477
CIELab	81.69, -29.70, -18.74
CIELCh	82, 35.119, 212.246
Yxy	59.7337, 0.2343, 0.3070
Android (android.graphics.Color)	4284472557 (0xFF5FDCED)
YUV	184.5630, 25.8514, -78.5468
Hunter-Lab	77.2876, -29.9645, -14.3657

Details

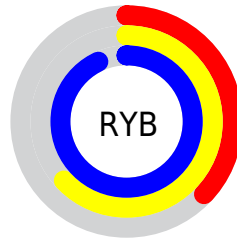
The Yxy color **59.7337, 0.2343, 0.3070** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.3859, 0.4884, 0.3470**, and the grayscale version is **48.1305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **30.2465, 0.2170, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **57.1815, 0.2264, 0.3028**, and if you desaturate by 10%, it is **62.7013, 0.2441, 0.3111**.

Distribution



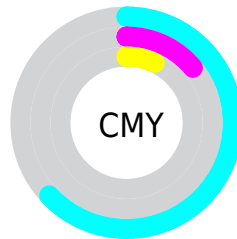
- Red (37%)
- Green (86%)
- Blue (93%)



- Red (37%)
- Yellow (63%)
- Blue (93%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)




- Cyan (63%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7337, 0.2343, 0.3070 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 59.7337, 0.2343, 0.3070 by changing the saturation by 10% instead.


 59.7337, 0.2343,
0.3070


 59.7337, 0.2343,
0.3070

423.6155, 0.2707,
0.3186

 43.2040, 0.2260,
0.3040

 104.4433, 0.2469,
0.3113


 30.0452, 0.2159,
0.3001


 133.3920, 0.2518,
0.3129

 19.8729, 0.2031,
0.2949


 167.2491, 0.2560,
0.3142

 12.3027, 0.1867,
0.2877

 206.3991, 0.2597,
0.3154

 6.9502, 0.1648,
0.2769

251.2263, 0.2630,
0.3164

 3.4310, 0.1348,
0.2599

302.1152, 0.2658,

 1.3607, 0.0861,

0.3172

0.2320

359.4501, 0.2684,
0.3179

■ 0.1875, 0.0000,
0.1034

■ 0.0000, 0.0000,
0.0000

■ 59.7337, 0.2343,
0.3070

■ 59.7337, 0.2343,
0.3070

■ 57.1815, 0.2264,
0.3028

■ 62.7013, 0.2441,
0.3111

■ 55.0016, 0.2205,
0.2986


■ 66.1095, 0.2555,
0.3152

■ 53.1530, 0.2164,
0.2944

■ 69.9890, 0.2684,
0.3190

■ 51.5624, 0.2140,
0.2903


■ 74.3661, 0.2825,
0.3226


 51.5580, 0.2140,
0.2902

 79.2647, 0.2973,
0.3259

 84.7074, 0.3128,
0.3290

 89.6039, 0.3245,
0.3318

 91.2833, 0.3243,
0.3346

 92.9889, 0.3240,
0.3373

Harmonies

Analogous

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



59.7337, 0.2571, 0.3511



59.7337, 0.2343, 0.3070



59.7337, 0.2310, 0.2737

Triad

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



59.7337, 0.2343, 0.3070



59.7337, 0.3256, 0.2767



59.7337, 0.3793, 0.4030

Complementary

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



59.7337, 0.2343, 0.3070



30.3859, 0.4884, 0.3470

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.



59.7337, 0.4012, 0.3765



59.7337, 0.2343, 0.3070



59.7337, 0.3695, 0.3057

Square

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



59.7337, 0.2343, 0.3070



59.7337, 0.2809, 0.2594



59.7337, 0.3979, 0.3412



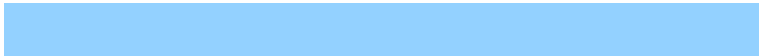
59.7337, 0.3402, 0.4102

Rectangle

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



59.7337, 0.2343, 0.3070



59.7337, 0.2398, 0.2610



59.7337, 0.3979, 0.3412



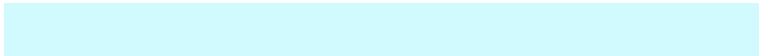
59.7337, 0.3890, 0.3958

Sweetspot

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



59.7359, 0.2343, 0.3070



88.8595, 0.2852, 0.3233



64.1547, 0.2969, 0.5028



18.6758, 0.2810, 0.3222



0.0000, 0.0000, 0.0000



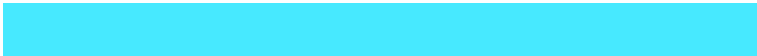
21.4041, 0.3127, 0.3290

Same Dimension

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



59.7359, 0.2343, 0.3070



66.8846, 0.2249, 0.3018



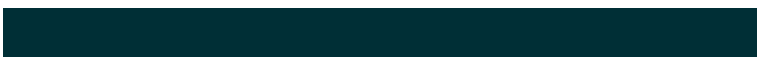
30.1478, 0.2120, 0.2075



16.7966, 0.2981, 0.3261



28.2762, 0.2142, 0.2909



2.3072, 0.2158, 0.2967

Inverse Universe

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



31.3344, 0.3365, 0.2031



31.7040, 0.3423, 0.1864



52.4982, 0.4326, 0.4220



15.2810, 0.3156, 0.3085



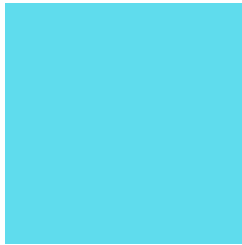
12.3473, 0.3535, 0.1721



0.9783, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 59.7337, 0.2343, 0.3070 looks on a white background.

Color Contrast Check

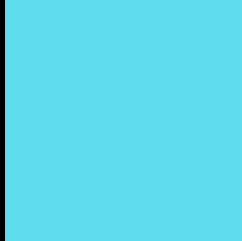
Large Text (above 18pt) WCAG AA × Fail

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 59.7337, 0.2343, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

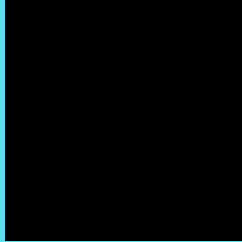
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7337, 0.2343, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 59.7337, 0.2343, 0.3070.

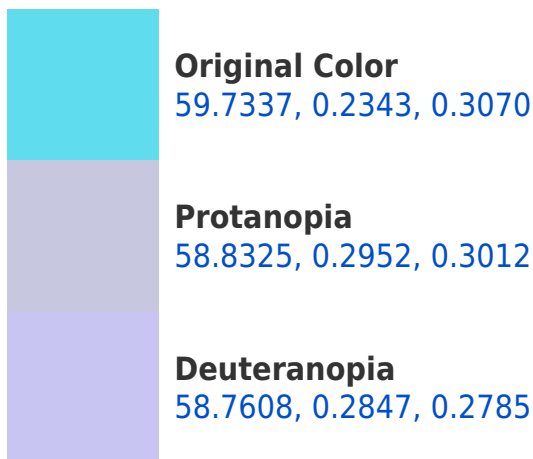


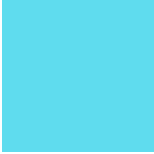
This preview shows how white text looks on a background with the Yxy color 59.7337, 0.2343, 0.3070.

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





Tritanopia

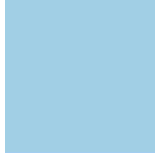
59.7923, 0.2339, 0.3058

Trichromacy



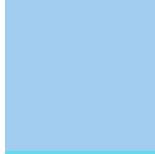
Original Color

59.7337, 0.2343, 0.3070



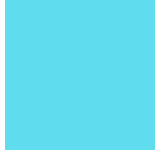
Protanomaly

57.8599, 0.2670, 0.3020



Deuteranomaly

57.6353, 0.2611, 0.2869



Tritanomaly

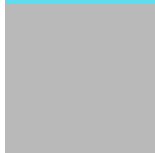
59.7923, 0.2339, 0.3058

Monochromacy



Original Color

59.7337, 0.2343, 0.3070



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.4232, 0.2749, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7337, 0.2343, 0.3070 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(95, 220, 237)` looks like.

```
.text, #text, p{  
    color:rgb(95, 220, 237)  
}
```

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(95, 220, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 220, 237) }
```

Border

The CSS property to change the border of an element to Yxy 59.7337, 0.2343, 0.3070 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(95, 220, 237) }
```

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

```
.border{ border-color:rgb(95, 220, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 220, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 220, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 220, 237);  
box-shadow:4px 4px 4px 4px rgb(95, 220,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7337, 0.2343, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 220, 237) }
```

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

```
.background{ background-color: rgb(95, 220,  
237) }
```

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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