

Converting Colors

$Yxy(59.8641, 0.2329, 0.3203)$

Have a look what the booklet for
Yxy(59.8641, 0.2329, 0.3203)
contains.

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Color

Yxy(60.0103, 0.2331, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	4DDFE5
RGB	77, 223, 229
RGB Percent	30%, 87%, 90%
CMY	0.6979, 0.1255, 0.1020
CMYK	0.66, 0.03, 0.00, 0.10
HSL	182°, 74%, 60%
HSV	182°, 66%, 90%
XYZ	43.5912, 60.0103, 83.4048
YIQ	180.0300, -88.9420, -29.0860

Conversions

Conversions Part 2

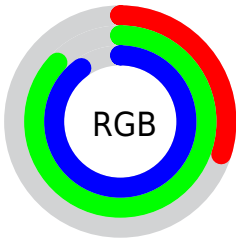
Format	Color
RYB	77, 151, 229
Decimal	5103589
CIELab	81.84, -36.15, -14.30
CIELCh	82, 38.878, 201.580
Yxy	60.0103, 0.2331, 0.3209
Android (android.graphics.Color)	4283293669 (0xFF4DDFE5)
YUV	180.0300, 24.1422, -90.3573
Hunter-Lab	77.4663, -35.1221, -9.6087

Details

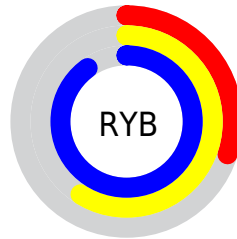
The Yxy color **60.0103, 0.2331, 0.3209** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.3819, 0.5270, 0.3353**, and the grayscale version is **45.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **30.6934, 0.2212, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **58.7406, 0.2275, 0.3196**, and if you desaturate by 10%, it is **61.6222, 0.2406, 0.3222**.

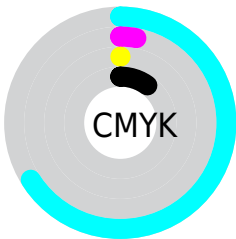
Distribution



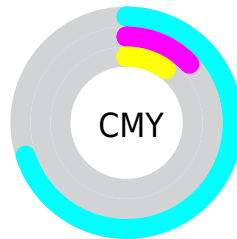
- Red (30%)
- Green (87%)
- Blue (90%)



- Red (30%)
- Yellow (59%)
- Blue (90%)



- Cyan (66%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)





- Cyan (70%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.0103, 0.2331, 0.3209 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 60.0103, 0.2331, 0.3209 by changing the saturation by 10% instead.

 60.0103, 0.2331,
0.3209


 60.0103, 0.2331,
0.3209


424.6357, 0.2701,
0.3259

 43.4269, 0.2247,
0.3194

 104.8446, 0.2459,
0.3229

 30.2202, 0.2143,
0.3174


 133.8643, 0.2509,
0.3236

 20.0058, 0.2013,
0.3146


 167.7983, 0.2552,
0.3242

 12.3993, 0.1844,
0.3104

 207.0309, 0.2590,
0.3246

 7.0162, 0.1619,
0.3038

251.9466, 0.2623,
0.3250

 3.4722, 0.1310,
0.2923

302.9297, 0.2652,

 1.3830, 0.0722,

0.3254

0.2745

360.3646, 0.2678,
0.3257

0.2041, 0.0000,
0.1408

0.0000, 0.0000,
0.0000

60.0103, 0.2331,
0.3209

60.0103, 0.2331,
0.3209

58.7406, 0.2275,
0.3196

61.6222, 0.2406,
0.3222

57.7694, 0.2238,
0.3183


63.6011, 0.2501,
0.3236

57.0527, 0.2218,
0.3170


65.9773, 0.2613,
0.3249

56.8263, 0.2213,
0.3165


68.7761, 0.2740,
0.3261

 72.0206, 0.2880,
0.3273

 75.7323, 0.3029,
0.3284

 79.9313, 0.3184,
0.3294

 83.6320, 0.3307,
0.3303

 84.1360, 0.3306,
0.3312

Harmonies

Analogous

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



60.0103, 0.2647, 0.3710



60.0103, 0.2331, 0.3209



60.0103, 0.2219, 0.2787

Triad

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



60.0103, 0.2331, 0.3209



60.0103, 0.3085, 0.2633



60.0103, 0.3973, 0.4015

Complementary

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



60.0103, 0.2331, 0.3209



23.3819, 0.5270, 0.3353

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.



60.0103, 0.4126, 0.3673



60.0103, 0.2331, 0.3209



60.0103, 0.3592, 0.2909

Square

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



60.0103, 0.2331, 0.3209



60.0103, 0.2626, 0.2500



60.0103, 0.3987, 0.3277



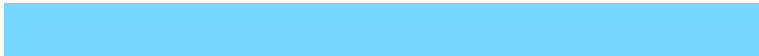
60.0103, 0.3593, 0.4193

Rectangle

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



60.0103, 0.2331, 0.3209



60.0103, 0.2265, 0.2604



60.0103, 0.3987, 0.3277



60.0103, 0.4054, 0.3913

Sweetspot

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



60.0126, 0.2331, 0.3209



90.3023, 0.2826, 0.3268



58.2221, 0.3009, 0.5374



19.0785, 0.2786, 0.3265



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.



60.0126, 0.2331, 0.3209



74.4235, 0.2258, 0.3190



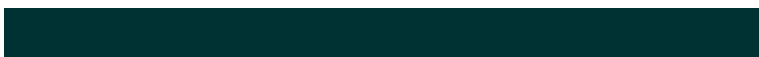
28.3986, 0.2069, 0.2114



16.2339, 0.2982, 0.3280



32.5377, 0.2213, 0.3167



2.4349, 0.2218, 0.3186

Inverse Universe

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



27.2965, 0.3260, 0.1843



30.3409, 0.3285, 0.1683



41.6722, 0.4579, 0.4158



14.6049, 0.3144, 0.3067



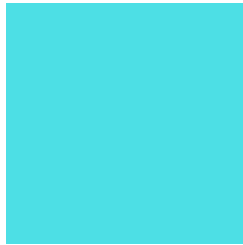
12.4824, 0.3310, 0.1597



0.9255, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 60.0103, 0.2331, 0.3209 looks on a white background.

Color Contrast Check

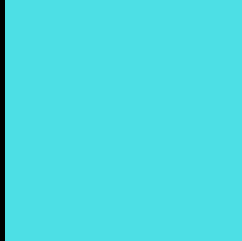
Large Text (above 18pt) WCAG AA × Fail

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 60.0103, 0.2331, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

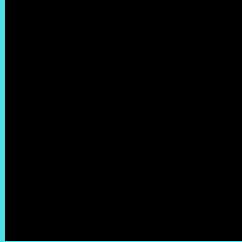
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.0103, 0.2331, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 60.0103, 0.2331, 0.3209.

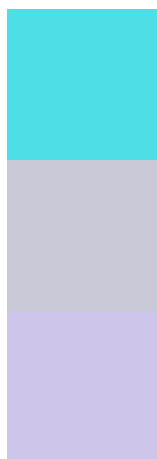


This preview shows how white text looks on a background with the Yxy color 60.0103, 0.2331, 0.3209.

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

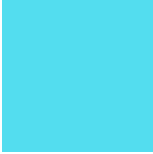
60.0103, 0.2331, 0.3209

Protanopia

59.2361, 0.3036, 0.3127

Deuteranopia

59.0525, 0.2929, 0.2863



Tritanopia

59.7839, 0.2301, 0.3056

Trichromacy



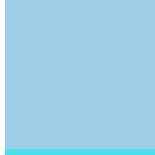
Original Color

60.0103, 0.2331, 0.3209



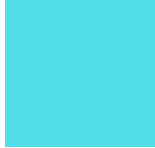
Protanomaly

57.9363, 0.2699, 0.3152



Deuteranomaly

57.3967, 0.2634, 0.2959



Tritanomaly

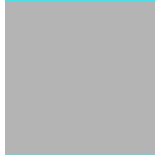
59.9900, 0.2314, 0.3119

Monochromacy



Original Color

60.0103, 0.2331, 0.3209



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.3967, 0.2724, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0103, 0.2331, 0.3209 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(77, 223, 229)` looks like.

```
.text, #text, p{  
    color:rgb(77, 223, 229)  
}
```

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(77, 223, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 223, 229) }
```

Border

The CSS property to change the border of an element to Yxy 60.0103, 0.2331, 0.3209 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(77, 223, 229) }
```

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

```
.border{ border-color:rgb(77, 223, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 223, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 223, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 223, 229);  
box-shadow:4px 4px 4px 4px rgb(77, 223,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0103, 0.2331, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 223, 229) }
```

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

```
.background{ background-color: rgb(77, 223,  
229) }
```

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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