

Converting Colors

$Y_{xy}(58.1290, 0.2307, 0.3199)$

Have a look what the booklet for
Yxy(58.1290, 0.2307, 0.3199)
contains.

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Color

Yxy(57.9614, 0.2306, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	44DCE3
RGB	68, 220, 227
RGB Percent	27%, 86%, 89%
CMY	0.7330, 0.1373, 0.1098
CMYK	0.70, 0.03, 0.00, 0.11
HSL	183°, 74%, 58%
HSV	183°, 70%, 89%
XYZ	41.8469, 57.9614, 81.6613
YIQ	175.3500, -92.8390, -30.0470

Conversions

Conversions Part 2

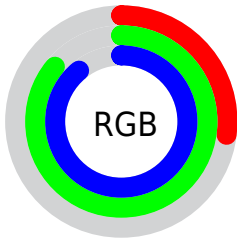
Format	Color
RYB	68, 146, 227
Decimal	4512995
CIELab	80.72, -36.51, -14.96
CIELCh	81, 39.455, 202.278
Yxy	57.9614, 0.2306, 0.3194
Android (android.graphics.Color)	4282703075 (0xFF44DCE3)
YUV	175.3500, 25.4635, -94.1459
Hunter-Lab	76.1324, -35.1174, -10.3031

Details

The Yxy color **57.9614, 0.2306, 0.3194** 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 **21.7959, 0.5433, 0.3360**, and the grayscale version is **42.9749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **29.5295, 0.2207, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **56.7740, 0.2256, 0.3179**, and if you desaturate by 10%, it is **59.4722, 0.2375, 0.3209**.

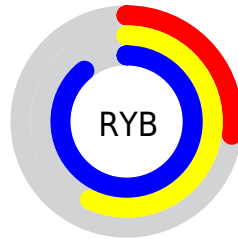
Distribution



Red (27%)

Green (86%)

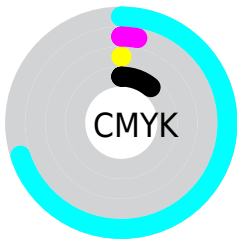
Blue (89%)



Red (27%)

Yellow (57%)

Blue (89%)

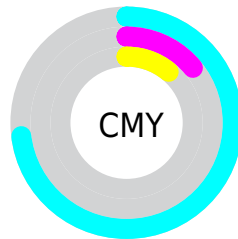


Cyan (70%)

Magenta (3%)

Yellow (0%)

Black (11%)



Cyan (73%)


Magenta (14%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9614, 0.2306, 0.3194 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 57.9614, 0.2306, 0.3194 by changing the saturation by 10% instead.


 57.9614, 0.2306,
0.3194

 57.9614, 0.2306,
0.3194


417.0421, 0.2689,
0.3252


 41.7776, 0.2218,
0.3177


 101.8666, 0.2439,
0.3217

 28.9272, 0.2110,
0.3154


 130.3569, 0.2491,
0.3225

 19.0258, 0.1974,
0.3121


 163.7181, 0.2536,
0.3232

 11.6889, 0.1798,
0.3073

 202.3346, 0.2574,
0.3238

 6.5322, 0.1563,
0.2997

246.5909, 0.2608,
0.3242

 3.1713, 0.1240,
0.2865

296.8713, 0.2639,

 1.2218, 0.0520,

0.3246

0.2685

353.5602, 0.2665,
0.3249

■ 0.0794, 0.0000,
0.0650

■ 0.0000, 0.0000,
0.0000

■ 57.9614, 0.2306,
0.3194

■ 57.9614, 0.2306,
0.3194

■ 56.7740, 0.2256,
0.3179

■ 59.4722, 0.2375,
0.3209


■ 55.8648, 0.2225,
0.3164


■ 61.3325, 0.2463,
0.3224


■ 55.1689, 0.2208,
0.3150


■ 63.5730, 0.2569,
0.3238


■ 66.2194, 0.2692,
0.3253

 69.2950, 0.2827,
0.3266

 72.8215, 0.2973,
0.3278

 76.8189, 0.3127,
0.3290

 81.3061, 0.3285,
0.3301

 82.8521, 0.3322,
0.3310

Harmonies

Analogous

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



57.9614, 0.2624, 0.3710



57.9614, 0.2306, 0.3194



57.9614, 0.2198, 0.2765

Triad

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



57.9614, 0.2306, 0.3194



57.9614, 0.3095, 0.2622



57.9614, 0.3988, 0.4039

Complementary

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



57.9614, 0.2306, 0.3194



21.7959, 0.5433, 0.3360

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.



57.9614, 0.4152, 0.3690



57.9614, 0.2306, 0.3194



57.9614, 0.3616, 0.2907

Square

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



57.9614, 0.2306, 0.3194



57.9614, 0.2623, 0.2482



57.9614, 0.4017, 0.3285



57.9614, 0.3593, 0.4218

Rectangle

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



57.9614, 0.2306, 0.3194



57.9614, 0.2247, 0.2581



57.9614, 0.4017, 0.3285



57.9614, 0.4073, 0.3935

Sweetspot

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



57.9636, 0.2306, 0.3194



89.7216, 0.2811, 0.3264



56.6616, 0.3005, 0.5479



18.9575, 0.2773, 0.3261



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.



57.9636, 0.2306, 0.3194



73.3246, 0.2240, 0.3172



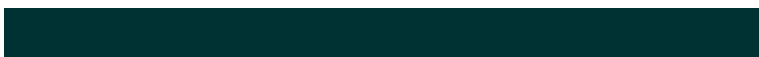
26.1985, 0.2020, 0.2038



16.2216, 0.2982, 0.3279



32.2184, 0.2209, 0.3152



2.4148, 0.2215, 0.3173

Inverse Universe

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



25.6439, 0.3275, 0.1799



29.4582, 0.3301, 0.1660



39.4822, 0.4673, 0.4184



14.6037, 0.3145, 0.3068



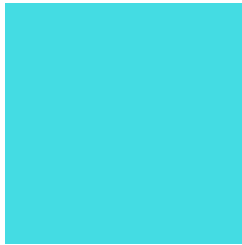
12.4502, 0.3322, 0.1604



0.9235, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 57.9614, 0.2306, 0.3194 looks on a white background.

Color Contrast Check

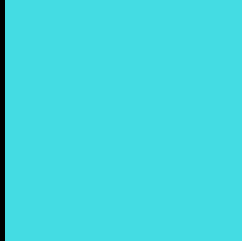
Large Text (above 18pt) WCAG AA × Fail

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 57.9614, 0.2306, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

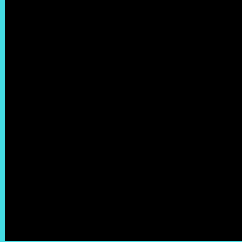
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.9614, 0.2306, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 57.9614, 0.2306, 0.3194.

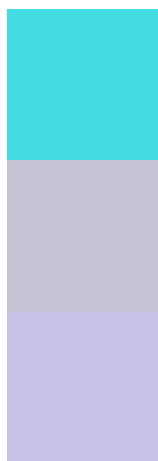


This preview shows how white text looks on a background with the Yxy color 57.9614, 0.2306, 0.3194.

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

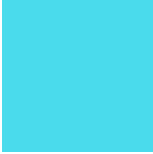
57.9614, 0.2306, 0.3194

Protanopia

56.7424, 0.3020, 0.3101

Deuteranopia

57.0233, 0.2912, 0.2845



Tritanopia

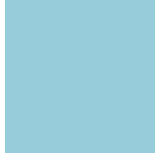
58.1750, 0.2281, 0.3065

Trichromacy



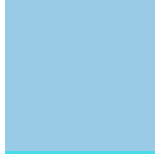
Original Color

57.9614, 0.2306, 0.3194



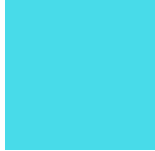
Protanomaly

55.3039, 0.2668, 0.3123



Deuteranomaly

55.2537, 0.2604, 0.2941



Tritanomaly

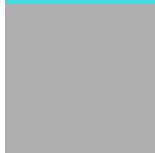
57.9239, 0.2288, 0.3103

Monochromacy



Original Color

57.9614, 0.2306, 0.3194



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.3909, 0.2696, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9614, 0.2306, 0.3194 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(68, 220, 227)` looks like.

```
.text, #text, p{  
    color:rgb(68, 220, 227)  
}
```

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(68, 220, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 220, 227) }
```

Border

The CSS property to change the border of an element to Yxy 57.9614, 0.2306, 0.3194 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(68, 220, 227) }
```

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

```
.border{ border-color:rgb(68, 220, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 220, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 220, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 220, 227);  
box-shadow:4px 4px 4px 4px rgb(68, 220,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9614, 0.2306, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 220, 227) }
```

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

```
.background{ background-color: rgb(68, 220,  
227) }
```

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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