

Converting Colors

$Yxy(58.6554, 0.2229, 0.2885)$

Have a look what the booklet for
Yxy(58.6554, 0.2229, 0.2885)
contains.

Yxy(58.5814, 0.2229, 0.2882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.5814, 0.2229, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	4CDAFA
RGB	76, 218, 250
RGB Percent	30%, 85%, 98%
CMY	0.7020, 0.1451, 0.0195
CMYK	0.70, 0.13, 0.00, 0.02
HSL	191°, 95%, 64%
HSV	191°, 70%, 98%
XYZ	45.3081, 58.5814, 99.3770
YIQ	179.1900, -94.9040, -20.1520

Conversions

Conversions Part 2

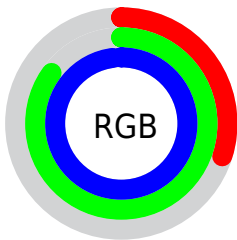
Format	Color
RYB	76, 154, 250
Decimal	5036794
CIELab	81.06, -27.78, -26.66
CIElCh	81, 38.500, 223.815
Yxy	58.5814, 0.2229, 0.2882
Android (android.graphics.Color)	4283226874 (0xFF4CDAFA)
YUV	179.1900, 34.9093, -90.4976
Hunter-Lab	76.5385, -28.2766, -23.4047

Details

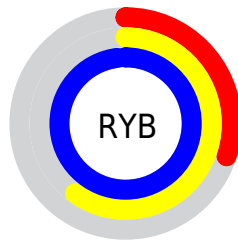
The Yxy color **58.5814, 0.2229, 0.2882** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.5753, 0.5228, 0.3581**, and the grayscale version is **45.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **30.0446, 0.2107, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **55.3983, 0.2160, 0.2815**, and if you desaturate by 10%, it is **62.2325, 0.2317, 0.2949**.

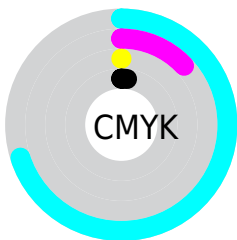
Distribution



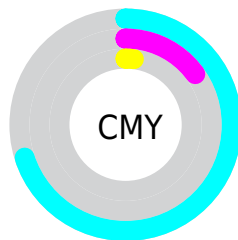
- Red (30%)
- Green (85%)
- Blue (98%)



- Red (30%)
- Yellow (60%)
- Blue (98%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)




- Cyan (70%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5814, 0.2229, 0.2882 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 58.5814, 0.2229, 0.2882 by changing the saturation by 10% instead.


 58.5814, 0.2229,
0.2882

 58.5814, 0.2229,
0.2882


419.3489, 0.2643,
0.3089


 42.2762, 0.2136,
0.2831


 102.7690, 0.2371,
0.2957

 29.3177, 0.2023,
0.2766


 131.4203, 0.2427,
0.2985

 19.3213, 0.1881,
0.2680


 164.9557, 0.2475,
0.3009

 11.9026, 0.1702,
0.2565

 203.7597, 0.2518,
0.3030

 6.6774, 0.1467,
0.2402

248.2166, 0.2555,
0.3048

 3.2612, 0.1156,
0.2158

298.7108, 0.2587,

 1.2696, 0.0682,

0.3063

0.1784

355.6268, 0.2617,
0.3077

■ 0.1175, 0.0000,
0.0467

■ 0.0000, 0.0000,
0.0000

■ 58.5814, 0.2229,
0.2882

■ 58.5814, 0.2229,
0.2882

■ 55.3983, 0.2160,
0.2815

■ 62.2325, 0.2317,
0.2949

■ 52.6272, 0.2111,
0.2747

■ 66.3871, 0.2424,
0.3014

■ 50.1923, 0.2079,
0.2681

■ 71.0836, 0.2547,
0.3077

■ 50.1001, 0.2077,
0.2679

■ 76.3552, 0.2682,
0.3137

82.2317, 0.2827,
0.3193

88.7408, 0.2978,
0.3245

95.9086, 0.3133,
0.3292

99.5558, 0.3156,
0.3336

99.6834, 0.3156,
0.3338

Harmonies

Analogous

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



58.5814, 0.2396, 0.3338



58.5814, 0.2229, 0.2882



58.5814, 0.2277, 0.2590

Triad

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



58.5814, 0.2229, 0.2882



58.5814, 0.3464, 0.2827



58.5814, 0.3706, 0.4168

Complementary

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



58.5814, 0.2229, 0.2882



31.5753, 0.5228, 0.3581

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.



58.5814, 0.4037, 0.3936



58.5814, 0.2229, 0.2882



58.5814, 0.3903, 0.3177

Square

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



58.5814, 0.2229, 0.2882



58.5814, 0.2956, 0.2584



58.5814, 0.4117, 0.3572



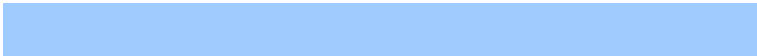
58.5814, 0.3235, 0.4146

Rectangle

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



58.5814, 0.2229, 0.2882



58.5814, 0.2425, 0.2505



58.5814, 0.4117, 0.3572



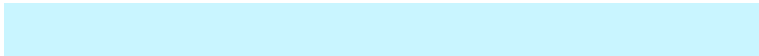
58.5814, 0.3838, 0.4113

Sweetspot

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



58.5835, 0.2229, 0.2882



85.0946, 0.2806, 0.3185



70.9999, 0.2918, 0.5196



17.8417, 0.2765, 0.3170



0.0000, 0.0000, 0.0000



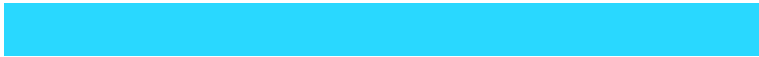
21.4041, 0.3127, 0.3290

Same Dimension

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



58.5835, 0.2229, 0.2882



56.5908, 0.2136, 0.2784



24.6982, 0.1932, 0.1682



19.0336, 0.2980, 0.3245



26.7672, 0.2081, 0.2690



2.6152, 0.2103, 0.2769

Inverse Universe

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



30.5569, 0.3537, 0.1977



27.7689, 0.3641, 0.1860



59.8389, 0.4452, 0.4423



17.4666, 0.3166, 0.3099



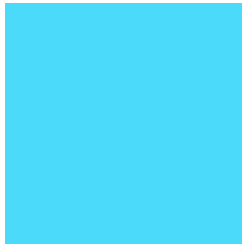
13.1131, 0.3738, 0.1833



1.2282, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 58.5814, 0.2229, 0.2882 looks on a white background.

Color Contrast Check

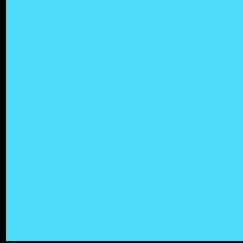
Large Text (above 18pt) WCAG AA × Fail

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 58.5814, 0.2229, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

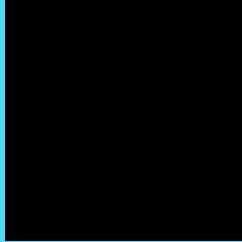
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5814, 0.2229, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 58.5814, 0.2229, 0.2882.

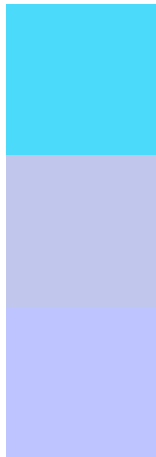


This preview shows how white text looks on a background with the Yxy color 58.5814, 0.2229, 0.2882.

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

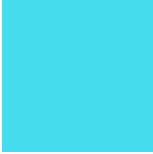
58.5814, 0.2229, 0.2882

Protanopia

57.6508, 0.2823, 0.2851

Deuteranopia

57.6470, 0.2692, 0.2629



Tritanopia

58.5884, 0.2262, 0.3053

Trichromacy



Original Color

58.5814, 0.2229, 0.2882



Protanomaly

56.4975, 0.2536, 0.2850



Deuteranomaly

56.6671, 0.2468, 0.2705



Tritanomaly

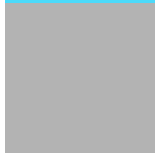
58.4134, 0.2250, 0.2990

Monochromacy



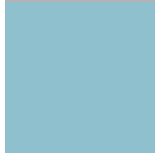
Original Color

58.5814, 0.2229, 0.2882



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.2985, 0.2670, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5814, 0.2229, 0.2882 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(76, 218, 250)` looks like.

```
.text, #text, p{  
    color:rgb(76, 218, 250)  
}
```

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(76, 218, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 218, 250) }
```

Border

The CSS property to change the border of an element to Yxy 58.5814, 0.2229, 0.2882 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(76, 218, 250) }
```

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

```
.border{ border-color:rgb(76, 218, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 218, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 218, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 218, 250);  
box-shadow:4px 4px 4px 4px rgb(76, 218,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5814, 0.2229, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 218, 250) }
```

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

```
.background{ background-color: rgb(76, 218,  
250) }
```

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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