

Converting Colors

$Yxy(58.6848, 0.2199, 0.2881)$

Have a look what the booklet for
Yxy(58.6848, 0.2199, 0.2881)
contains.

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Color

Yxy(58.6848, 0.2199, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	3FDBFB
RGB	63, 219, 251
RGB Percent	25%, 86%, 98%
CMY	0.7528, 0.1412, 0.0158
CMYK	0.75, 0.13, 0.00, 0.02
HSL	190°, 96%, 62%
HSV	190°, 75%, 98%
XYZ	44.7927, 58.6848, 100.2184
YIQ	176.0040, -103.2480, -23.1200

Conversions

Conversions Part 2

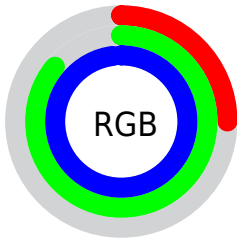
Format	Color
RYB	63, 148, 251
Decimal	4185083
CIELab	81.12, -29.51, -27.10
CIELCh	81, 40.070, 222.562
Yxy	58.6848, 0.2199, 0.2881
Android (android.graphics.Color)	4282375163 (0xFF3FDBFB)
YUV	176.0040, 36.9730, -99.1045
Hunter-Lab	76.6060, -29.6887, -23.9409

Details

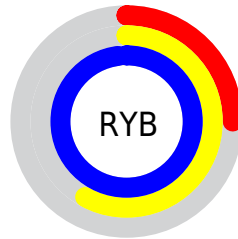
The Yxy color **58.6848, 0.2199, 0.2881** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.0526, 0.5475, 0.3553**, and the grayscale version is **43.2681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **30.4460, 0.2108, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **55.8400, 0.2143, 0.2819**, and if you desaturate by 10%, it is **61.9673, 0.2275, 0.2943**.

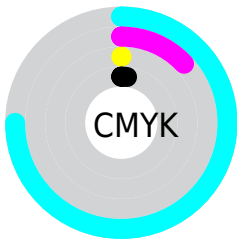
Distribution



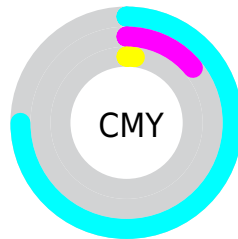
- Red (25%)
- Green (86%)
- Blue (98%)



- Red (25%)
- Yellow (58%)
- Blue (98%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)





- Cyan (75%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6848, 0.2199, 0.2881 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 58.6848, 0.2199, 0.2881 by changing the saturation by 10% instead.


 58.6848, 0.2199,
0.2881

 58.6848, 0.2199,
0.2881


419.7328, 0.2626,
0.3089


 42.3594, 0.2104,
0.2829

 102.9194, 0.2346,
0.2957


 29.3828, 0.1987,
0.2763

 131.5975, 0.2403,
0.2985

 19.3706, 0.1843,
0.2677


 165.1618, 0.2453,
0.3009

 11.9384, 0.1659,
0.2560

 203.9970, 0.2496,
0.3030

 6.7017, 0.1421,
0.2395

248.4873, 0.2534,
0.3048

 3.2763, 0.1107,
0.2148

299.0171, 0.2568,

 1.2776, 0.0623,

0.3063

0.1772

355.9708, 0.2599,
0.3077

0.1238, 0.0000,
0.0477

0.0000, 0.0000,
0.0000

58.6848, 0.2199,
0.2881

58.6848, 0.2199,
0.2881

55.8400, 0.2143,
0.2819

61.9673, 0.2275,
0.2943

53.3703, 0.2105,
0.2758

65.7268, 0.2371,
0.3004

52.2115, 0.2091,
0.2727

70.0048, 0.2483,
0.3063

74.8362, 0.2611,
0.3120

80.2527, 0.2750,
0.3174

86.2832, 0.2898,
0.3223

92.9547, 0.3051,
0.3269

98.5806, 0.3151,
0.3311

99.7440, 0.3150,
0.3328

Harmonies

Analogous

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



58.6848, 0.2380, 0.3360



58.6848, 0.2199, 0.2881



58.6848, 0.2240, 0.2571

Triad

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



58.6848, 0.2199, 0.2881



58.6848, 0.3455, 0.2797



58.6848, 0.3745, 0.4197

Complementary

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



58.6848, 0.2199, 0.2881



29.0526, 0.5475, 0.3553

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.



58.6848, 0.4081, 0.3945



58.6848, 0.2199, 0.2881



58.6848, 0.3920, 0.3155

Square

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



58.6848, 0.2199, 0.2881



58.6848, 0.2927, 0.2551



58.6848, 0.4154, 0.3562



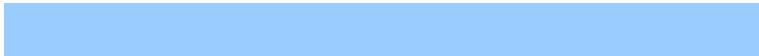
58.6848, 0.3259, 0.4191

Rectangle

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



58.6848, 0.2199, 0.2881



58.6848, 0.2387, 0.2479



58.6848, 0.4154, 0.3562



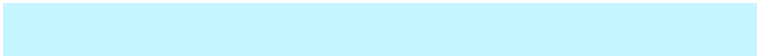
58.6848, 0.3880, 0.4136

Sweetspot

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



58.6869, 0.2199, 0.2881



84.9286, 0.2792, 0.3188



70.8565, 0.2928, 0.5378



17.8282, 0.2752, 0.3174



0.0000, 0.0000, 0.0000



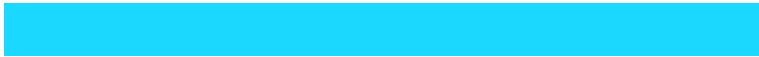
21.4041, 0.3127, 0.3290

Same Dimension

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



58.6869, 0.2199, 0.2881



56.5193, 0.2121, 0.2787



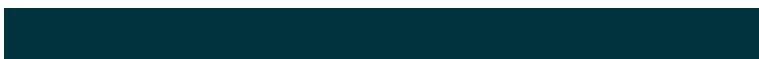
22.8632, 0.1867, 0.1588



19.0763, 0.2980, 0.3249



27.6373, 0.2094, 0.2737



2.6881, 0.2114, 0.2810

Inverse Universe

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



29.1798, 0.3545, 0.1903



26.9321, 0.3643, 0.1817



56.9748, 0.4577, 0.4440



17.4709, 0.3164, 0.3095



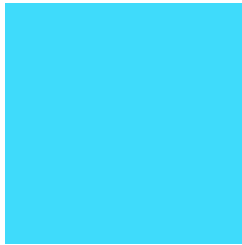
13.2009, 0.3693, 0.1808



1.2356, 0.3625, 0.1771

Previews

White Background



This preview shows how the Yxy color 58.6848, 0.2199, 0.2881 looks on a white background.

Color Contrast Check

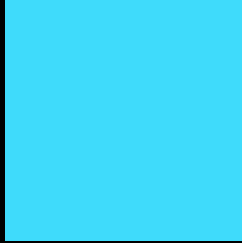
Large Text (above 18pt) WCAG AA × Fail

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 58.6848, 0.2199, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

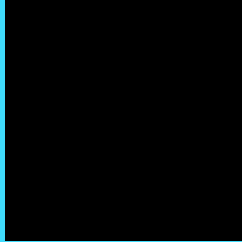
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6848, 0.2199, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 58.6848, 0.2199, 0.2881.



This preview shows how white text looks on a background with the Yxy color 58.6848, 0.2199, 0.2881.

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

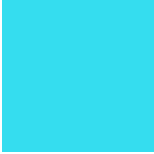
58.6848, 0.2199, 0.2881

Protanopia

57.7091, 0.2816, 0.2840

Deuteranopia

57.6470, 0.2692, 0.2629



Tritanopia

58.7018, 0.2231, 0.3052

Trichromacy



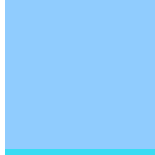
Original Color

58.6848, 0.2199, 0.2881



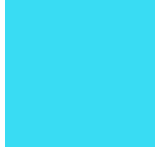
Protanomaly

56.5732, 0.2506, 0.2848



Deuteranomaly

56.2708, 0.2437, 0.2690



Tritanomaly

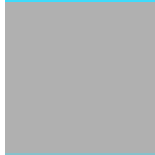
58.5273, 0.2220, 0.2989

Monochromacy



Original Color

58.6848, 0.2199, 0.2881



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.1620, 0.2636, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6848, 0.2199, 0.2881 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(63, 219, 251)` looks like.

```
.text, #text, p{  
    color:rgb(63, 219, 251)  
}
```

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(63, 219, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 219, 251) }
```

Border

The CSS property to change the border of an element to Yxy 58.6848, 0.2199, 0.2881 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(63, 219, 251) }
```

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

```
.border{ border-color:rgb(63, 219, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 219, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 219, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 219, 251);  
box-shadow:4px 4px 4px 4px rgb(63, 219,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6848, 0.2199, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 219, 251) }
```

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

```
.background{ background-color: rgb(63, 219,  
251) }
```

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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