

Converting Colors

$Y_{xy}(59.0349, 0.2305, 0.2855)$

Have a look what the booklet for
Yxy(59.0349, 0.2305, 0.2855)
contains.

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Color

Yxy(59.0198, 0.2305, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	68D8FB
RGB	104, 216, 251
RGB Percent	41%, 85%, 98%
CMY	0.5920, 0.1530, 0.0156
CMYK	0.59, 0.14, 0.00, 0.02
HSL	194°, 95%, 70%
HSV	194°, 59%, 98%
XYZ	47.6834, 59.0198, 100.1661
YIQ	186.5020, -77.9870, -12.8590

Conversions

Conversions Part 2

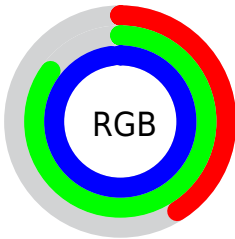
Format	Color
RYB	104, 168, 251
Decimal	6871291
CIELab	81.30, -22.11, -26.75
CIELCh	81, 34.707, 230.423
Yxy	59.0198, 0.2305, 0.2853
Android (android.graphics.Color)	4285061371 (0xFF68D8FB)
YUV	186.5020, 31.7975, -72.3543
Hunter-Lab	76.8243, -23.6512, -23.5272

Details

The Yxy color **59.0198, 0.2305, 0.2853** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.0001, 0.4700, 0.3648**, and the grayscale version is **49.2571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **29.5669, 0.2116, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **54.7263, 0.2207, 0.2764**, and if you desaturate by 10%, it is **63.8763, 0.2421, 0.2939**.

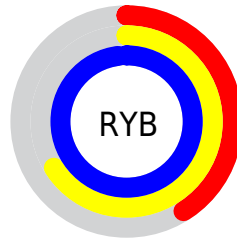
Distribution



Red (41%)

Green (85%)

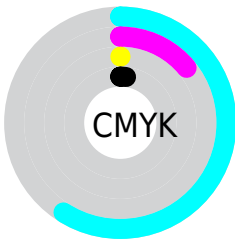
Blue (98%)



Red (41%)

Yellow (66%)

Blue (98%)

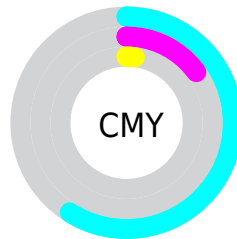


Cyan (59%)

Magenta (14%)

Yellow (0%)

Black (2%)



Cyan (59%)


Magenta (15%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0198, 0.2305, 0.2853 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 59.0198, 0.2305, 0.2853 by changing the saturation by 10% instead.

 59.0198, 0.2305,
0.2853


 59.0198, 0.2305,
0.2853


420.9753, 0.2685,
0.3070


 42.6291, 0.2219,
0.2800


 103.4064, 0.2436,
0.2931

 29.5942, 0.2114,
0.2733


 132.1711, 0.2487,
0.2961

 19.5308, 0.1983,
0.2647


 165.8293, 0.2532,
0.2986

 12.0544, 0.1815,
0.2531

204.7652, 0.2570,
0.3008

 6.7807, 0.1595,
0.2368

249.3634, 0.2604,
0.3026

 3.3254, 0.1297,
0.2127

300.0082, 0.2634,

 1.3039, 0.0874,

0.3043

0.1755

357.0840, 0.2661,
0.3057

0.1442, 0.0000,
0.0553

0.0000, 0.0000,
0.0000

59.0198, 0.2305,
0.2853

59.0198, 0.2305,
0.2853

54.7263, 0.2207,
0.2764

63.8763, 0.2421,
0.2939

50.9470, 0.2128,
0.2675

69.3264, 0.2551,
0.3022

47.6344, 0.2069,
0.2586

75.4056, 0.2692,
0.3099

44.7184, 0.2029,
0.2498

82.1447, 0.2841,
0.3172

■ 44.3160, 0.2024,
0.2485

■ 89.5721, 0.2995,
0.3238

■ 97.7142, 0.3150,
0.3298

■ 99.7467, 0.3150,
0.3328

Harmonies

Analogous

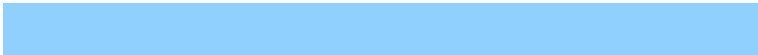
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.0198, 0.2416, 0.3238



59.0198, 0.2305, 0.2853



59.0198, 0.2392, 0.2623

Triad

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



59.0198, 0.2305, 0.2853



59.0198, 0.3529, 0.2934



59.0198, 0.3566, 0.4097

Complementary

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



59.0198, 0.2305, 0.2853



40.0001, 0.4700, 0.3648

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.



59.0198, 0.3900, 0.3938



59.0198, 0.2305, 0.2853



59.0198, 0.3888, 0.3269

Square

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



59.0198, 0.2305, 0.2853



59.0198, 0.3073, 0.2686



59.0198, 0.4024, 0.3629



59.0198, 0.3129, 0.4012

Rectangle

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



59.0198, 0.2305, 0.2853



59.0198, 0.2554, 0.2570



59.0198, 0.4024, 0.3629



59.0198, 0.3695, 0.4067

Sweetspot

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



59.0220, 0.2305, 0.2853



85.5280, 0.2849, 0.3175



73.8010, 0.2898, 0.4771



17.8533, 0.2805, 0.3155



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.



59.0220, 0.2305, 0.2853



56.0940, 0.2194, 0.2751



29.6283, 0.2089, 0.1877



18.8663, 0.2980, 0.3232



23.5255, 0.2028, 0.2500



2.3414, 0.2057, 0.2605

Inverse Universe

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



35.3806, 0.3543, 0.2193



31.2747, 0.3653, 0.2047



68.5165, 0.4186, 0.4359



17.4497, 0.3175, 0.3111



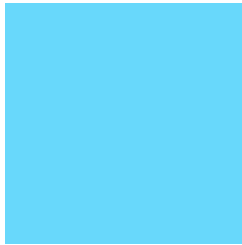
12.7858, 0.3923, 0.1935



1.2006, 0.3819, 0.1878

Previews

White Background



This preview shows how the Yxy color 59.0198, 0.2305, 0.2853 looks on a white background.

Color Contrast Check

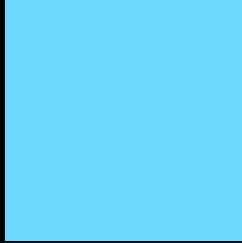
Large Text (above 18pt) WCAG AA × Fail

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 59.0198, 0.2305, 0.2853 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 59.0198, 0.2305, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 59.0198, 0.2305, 0.2853.



This preview shows how white text looks on a background with the Yxy color 59.0198, 0.2305, 0.2853.

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

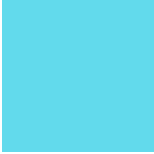
59.0198, 0.2305, 0.2853

Protanopia

58.2853, 0.2804, 0.2831

Deuteranopia

58.3590, 0.2706, 0.2643



Tritanopia

58.7956, 0.2352, 0.3056

Trichromacy



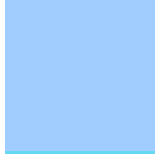
Original Color

59.0198, 0.2305, 0.2853



Protanomaly

57.6073, 0.2583, 0.2834



Deuteranomaly

57.8151, 0.2524, 0.2703



Tritanomaly

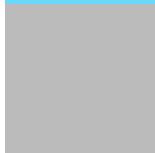
58.6859, 0.2335, 0.2983

Monochromacy



Original Color

59.0198, 0.2305, 0.2853



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.2094, 0.2745, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0198, 0.2305, 0.2853 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(104, 216, 251)` looks like.

```
.text, #text, p{  
    color:rgb(104, 216, 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(104, 216, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 216, 251) }
```

Border

The CSS property to change the border of an element to Yxy 59.0198, 0.2305, 0.2853 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(104, 216, 251) }
```

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

```
.border{ border-color:rgb(104, 216, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 216, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 216, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 216, 251);  
box-shadow:4px 4px 4px 4px rgb(104, 216,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0198, 0.2305, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 216, 251) }
```

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

```
.background{ background-color: rgb(104,  
216, 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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