

Converting Colors

$Yxy(43.9988, 0.2303, 0.2357)$

Have a look what the booklet for
Yxy(43.9988, 0.2303, 0.2357)
contains.

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Color

Yxy(44.0631, 0.2301, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	81B3FE
RGB	129, 179, 254
RGB Percent	51%, 70%, 100%
CMY	0.4944, 0.2980, 0.0040
CMYK	0.49, 0.30, 0.00, 0.00
HSL	216°, 98%, 75%
HSV	216°, 49%, 100%
XYZ	43.0527, 44.0631, 99.9886
YIQ	172.6000, -53.8750, 12.7250

Conversions

Conversions Part 2

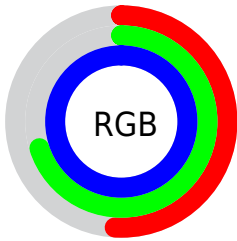
Format	Color
RYB	129, 165, 254
Decimal	8500222
CIELab	72.27, 3.52, -42.21
CIElCh	72, 42.354, 274.763
Yxy	44.0631, 0.2301, 0.2355
Android (android.graphics.Color)	4286690302 (0xFF81B3FE)
YUV	172.6000, 40.1302, -38.2372
Hunter-Lab	66.3800, -0.3936, -42.8428

Details

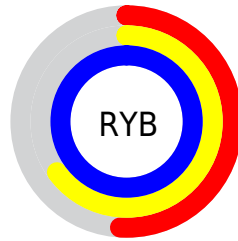
The Yxy color **44.0631, 0.2301, 0.2355** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7899, 0.4095, 0.4058**, and the grayscale version is **41.3822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2015, 0.2715, 0.3071**, and **20.4752, 0.2089, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **36.5471, 0.2136, 0.2122**, and if you desaturate by 10%, it is **52.7504, 0.2474, 0.2578**.

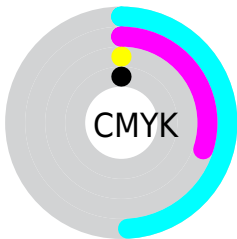
Distribution



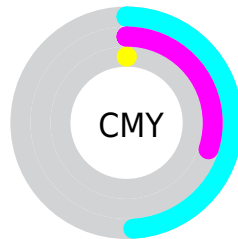
- Red (51%)
- Green (70%)
- Blue (100%)



- Red (51%)
- Yellow (65%)
- Blue (100%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0631, 0.2301, 0.2355 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 44.0631, 0.2301, 0.2355 by changing the saturation by 10% instead.

■ 44.0631, 0.2301,
0.2355

■ 44.0631, 0.2301,
0.2355

362.9657, 0.2703,
0.2805

■ 30.7201, 0.2206,
0.2250

■ 81.3127, 0.2443,
0.2513

■ 20.3858, 0.2089,
0.2121

■ 105.9881, 0.2498,
0.2574

■ 12.6758, 0.1939,
0.1957

■ 135.2097, 0.2544,
0.2626

■ 7.2057, 0.1745,
0.1746

169.3620, 0.2585,
0.2672

■ 3.5911, 0.1486,
0.1468

208.8294, 0.2620,
0.2711

■ 1.4475, 0.1136,
0.1098

253.9962, 0.2651,

■ 0.2514, 0.0539,

0.2746

0.0417

305.2468, 0.2678,
0.2777

0.0000, 0.0000,
0.0000

44.0631, 0.2301,
0.2355

44.0631, 0.2301,
0.2355

36.5471, 0.2136,
0.2122

52.7504, 0.2474,
0.2578

30.1385, 0.1985,
0.1887

62.6585, 0.2648,
0.2786

24.7732, 0.1856,
0.1656

73.8394, 0.2819,
0.2976

20.3764, 0.1754,
0.1439

86.3405, 0.2983,
0.3148

16.8457, 0.1680,
0.1244

99.9348, 0.3133,
0.3300

■ 16.6035, 0.1675,
0.1230

Harmonies

Analogous

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



44.0631, 0.2076, 0.2527



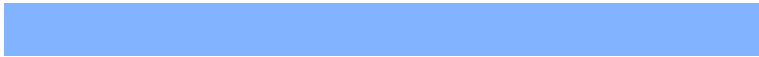
44.0631, 0.2301, 0.2355



44.0631, 0.2746, 0.2402

Triad

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



44.0631, 0.2301, 0.2355



44.0631, 0.4285, 0.3467



44.0631, 0.2837, 0.4104

Complementary

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



44.0631, 0.2301, 0.2355



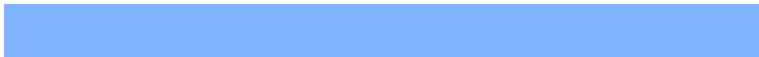
65.7899, 0.4095, 0.4058

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.



44.0631, 0.3424, 0.4385



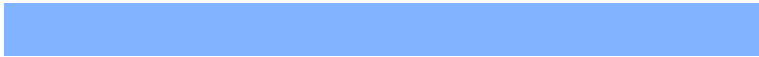
44.0631, 0.2301, 0.2355



44.0631, 0.4286, 0.3924

Square

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



44.0631, 0.2301, 0.2355



44.0631, 0.3927, 0.3014



44.0631, 0.3958, 0.4282



44.0631, 0.2357, 0.3529

Rectangle

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



44.0631, 0.2301, 0.2355



44.0631, 0.3135, 0.2541



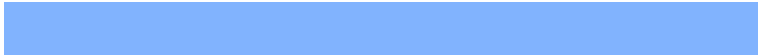
44.0631, 0.3958, 0.4282



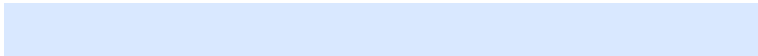
44.0631, 0.3028, 0.4241

Sweetspot

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



44.0647, 0.2301, 0.2355



79.6859, 0.2890, 0.3051



79.7949, 0.2713, 0.3926



16.4979, 0.2855, 0.3014



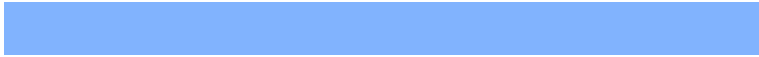
0.0000, 0.0000, 0.0000



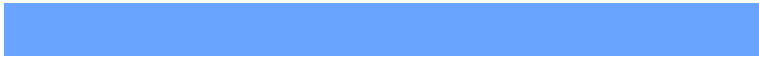
21.4041, 0.3127, 0.3290

Same Dimension

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



44.0647, 0.2301, 0.2355



37.0369, 0.2140, 0.2128



28.3578, 0.2248, 0.1749



18.5717, 0.2979, 0.3144



9.0243, 0.1683, 0.1260



1.0856, 0.1745, 0.1483

Inverse Universe

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



40.0068, 0.3941, 0.2774



33.9813, 0.4199, 0.2691



91.6128, 0.3779, 0.4523



18.1076, 0.3231, 0.3195



11.6390, 0.5382, 0.2739



1.1541, 0.5081, 0.2573

Previews

White Background



This preview shows how the Yxy color 44.0631, 0.2301, 0.2355 looks on a white background.

Color Contrast Check

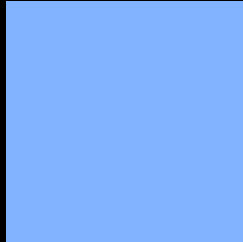
Large Text (above 18pt) WCAG AA × Fail

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 44.0631, 0.2301, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

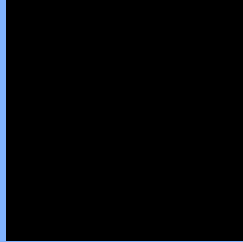
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

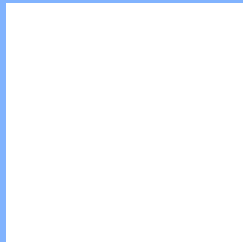
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0631, 0.2301, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 44.0631, 0.2301, 0.2355.



This preview shows how white text looks on a background with the Yxy color 44.0631, 0.2301, 0.2355.

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

44.0631, 0.2301, 0.2355

Protanopia

43.9465, 0.2448, 0.2363

Deuteranopia

43.8997, 0.2376, 0.2315



Tritanopia

44.2655, 0.2494, 0.3075

Trichromacy



Original Color

44.0631, 0.2301, 0.2355

Protanomaly

43.9450, 0.2392, 0.2365

Deuteranomaly

43.7596, 0.2343, 0.2319

Tritanomaly

43.8938, 0.2420, 0.2785

Monochromacy



Original Color

44.0631, 0.2301, 0.2355

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.0923, 0.2773, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0631, 0.2301, 0.2355 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(129, 179, 254)` looks like.

```
.text, #text, p{  
    color:rgb(129, 179, 254)  
}
```

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(129, 179, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 179, 254) }
```

Border

The CSS property to change the border of an element to Yxy 44.0631, 0.2301, 0.2355 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(129, 179, 254) }
```

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

```
.border{ border-color:rgb(129, 179, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 179, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 179, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 179, 254);  
box-shadow:4px 4px 4px 4px rgb(129, 179,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0631, 0.2301, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 179, 254) }
```

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

```
.background{ background-color: rgb(129,  
179, 254) }
```

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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