

Converting Colors

$Y_{xy}(45.3677, 0.2188, 0.2127)$

Have a look what the booklet for
Yxy(45.3677, 0.2188, 0.2127)
contains.

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Color

Yxy(43.8958, 0.2281, 0.2341)

Conversions

Conversions Part 1

Format	Color
Hex	7EB3FF
RGB	126, 179, 255
RGB Percent	49%, 70%, 100%
CMY	0.5061, 0.2980, 0.0000
CMYK	0.51, 0.30, 0.00, 0.00
HSL	215°, 100%, 75%
HSV	215°, 51%, 100%
XYZ	42.7707, 43.8958, 100.8422
YIQ	171.8170, -55.9840, 12.4000

Conversions

Conversions Part 2

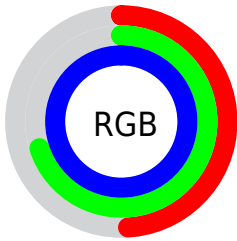
Format	Color
RYB	126, 164, 255
Decimal	8303615
CIELab	72.16, 3.16, -42.95
CIElCh	72, 43.068, 274.206
Yxy	43.8958, 0.2281, 0.2341
Android (android.graphics.Color)	4286493695 (0xFF7EB3FF)
YUV	171.8170, 41.0092, -40.1815
Hunter-Lab	66.2539, -0.7122, -43.8650

Details

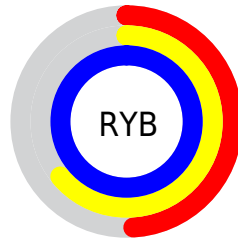
The Yxy color **43.8958, 0.2281, 0.2341** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.9788, 0.4135, 0.4065**, and the grayscale version is **40.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9509, 0.2704, 0.3071**, and **20.3798, 0.2065, 0.2109** is the 20% darker color. If you saturate the color by 10%, you get **36.5040, 0.2119, 0.2112**, and if you desaturate by 10%, it is **52.4375, 0.2452, 0.2561**.

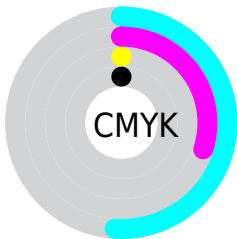
Distribution



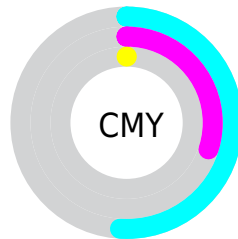
- Red (49%)
- Green (70%)
- Blue (100%)



- Red (49%)
- Yellow (64%)
- Blue (100%)



- Cyan (51%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8958, 0.2281, 0.2341 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 43.8958, 0.2281, 0.2341 by changing the saturation by 10% instead.

■ 43.8958, 0.2281,
0.2341

■ 43.8958, 0.2281,
0.2341

362.2829, 0.2692,
0.2797

■ 30.5886, 0.2184,
0.2235

■ 81.0609, 0.2426,
0.2501

■ 20.2858, 0.2065,
0.2104

■ 105.6876, 0.2482,
0.2563

■ 12.6030, 0.1913,
0.1938

■ 134.8563, 0.2530,
0.2616

■ 7.1557, 0.1715,
0.1725

168.9513, 0.2571,
0.2662

■ 3.5597, 0.1454,
0.1444

208.3571, 0.2607,
0.2703

■ 1.4304, 0.1102,
0.1073

253.4580, 0.2639,

■ 0.2390, 0.0497,

0.2738

0.0391

304.6385, 0.2667,
0.2769

0.0000, 0.0000,
0.0000

43.8958, 0.2281,
0.2341

43.8958, 0.2281,
0.2341

36.5040, 0.2119,
0.2112

52.4375, 0.2452,
0.2561

30.2020, 0.1973,
0.1880

62.1826, 0.2625,
0.2768

24.9242, 0.1848,
0.1654

73.1815, 0.2796,
0.2957

20.5947, 0.1751,
0.1441

85.4815, 0.2961,
0.3128

17.2913, 0.1684,
0.1261

99.1271, 0.3118,
0.3281

100.0000, 0.3127,
0.3290

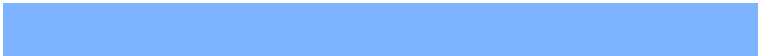
Harmonies

Analogous

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



43.8958, 0.2057, 0.2519



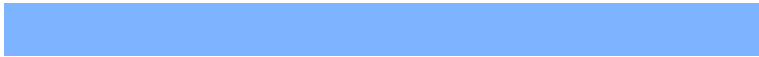
43.8958, 0.2281, 0.2341



43.8958, 0.2729, 0.2386

Triad

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



43.8958, 0.2281, 0.2341



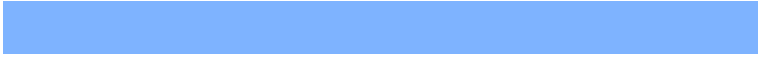
43.8958, 0.4302, 0.3460



43.8958, 0.2841, 0.4129

Complementary

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



43.8958, 0.2281, 0.2341



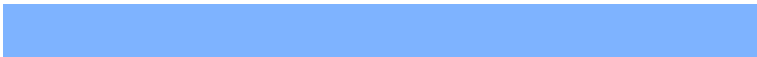
64.9788, 0.4135, 0.4065

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.



43.8958, 0.3438, 0.4408



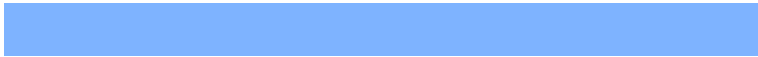
43.8958, 0.2281, 0.2341



43.8958, 0.4310, 0.3924

Square

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



43.8958, 0.2281, 0.2341



43.8958, 0.3932, 0.3000



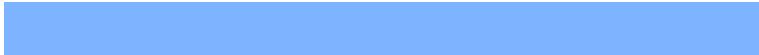
43.8958, 0.3980, 0.4294



43.8958, 0.2351, 0.3544

Rectangle

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



43.8958, 0.2281, 0.2341



43.8958, 0.3123, 0.2524



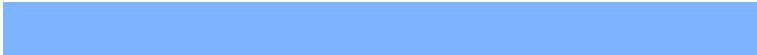
43.8958, 0.3980, 0.4294



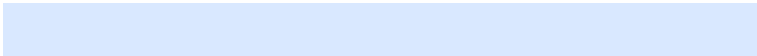
43.8958, 0.3036, 0.4266

Sweetspot

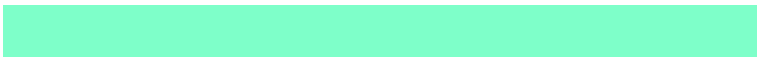
The Sweet Spot groups the original color and five complimentary colors.



43.8961, 0.2281, 0.2341



79.9153, 0.2890, 0.3055



80.1798, 0.2705, 0.3948



16.5529, 0.2855, 0.3019



0.0000, 0.0000, 0.0000



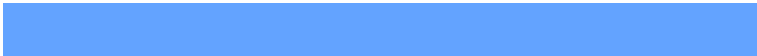
21.4041, 0.3127, 0.3290

Same Dimension

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



43.8961, 0.2281, 0.2341



36.2363, 0.2113, 0.2103



27.4228, 0.2219, 0.1701



18.6043, 0.2979, 0.3146



9.3117, 0.1692, 0.1291



1.1155, 0.1754, 0.1514

Inverse Universe

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



39.4244, 0.3960, 0.2747



32.9281, 0.4234, 0.2661



92.3022, 0.3795, 0.4554



18.1109, 0.3229, 0.3193



11.6680, 0.5338, 0.2714



1.1572, 0.5041, 0.2551

Previews

White Background



This preview shows how the Yxy color 43.8958, 0.2281, 0.2341 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 43.8958, 0.2281, 0.2341 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

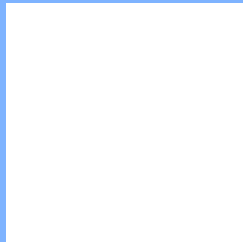
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8958, 0.2281, 0.2341

Background



This preview shows how black text looks on a background with the Yxy color 43.8958, 0.2281, 0.2341.



This preview shows how white text looks on a background with the Yxy color 43.8958, 0.2281, 0.2341.

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

43.8958, 0.2281, 0.2341

Protanopia

43.9125, 0.2436, 0.2351

Deuteranopia

43.8092, 0.2370, 0.2313



Tritanopia

44.0060, 0.2473, 0.3074

Trichromacy



Original Color

43.8958, 0.2281, 0.2341

Protanomaly

43.9186, 0.2381, 0.2354

Deuteranomaly

43.5890, 0.2332, 0.2316

Tritanomaly

43.6705, 0.2394, 0.2770

Monochromacy



Original Color

43.8958, 0.2281, 0.2341

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.8928, 0.2757, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8958, 0.2281, 0.2341 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(126, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 179, 255)  
}
```

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(126, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.8958, 0.2281, 0.2341 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(126, 179, 255) }
```

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

```
.border{ border-color:rgb(126, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8958, 0.2281, 0.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 179, 255) }
```

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

```
.background{ background-color: rgb(126,  
179, 255) }
```

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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