

Converting Colors

$Y_{xy}(44.5403, 0.2365, 0.2401)$

Have a look what the booklet for
Yxy(44.5403, 0.2365, 0.2401)
contains.

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Color

Yxy(44.5456, 0.2369, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	8AB3FA
RGB	138, 179, 250
RGB Percent	54%, 70%, 98%
CMY	0.4587, 0.2981, 0.0196
CMYK	0.45, 0.28, 0.00, 0.02
HSL	218°, 92%, 76%
HSV	218°, 45%, 98%
XYZ	43.8606, 44.5456, 96.7376
YIQ	174.8350, -47.2270, 13.3890

Conversions

Conversions Part 2

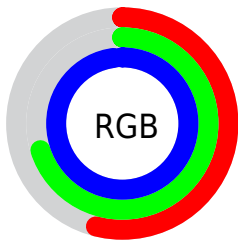
Format	Color
RYB	138, 168, 250
Decimal	9090042
CIELab	72.59, 4.52, -39.52
CIELCh	73, 39.782, 276.524
Yxy	44.5456, 0.2369, 0.2406
Android (android.graphics.Color)	4287280122 (0xFF8AB3FA)
YUV	174.8350, 37.0563, -32.3043
Hunter-Lab	66.7425, 0.5039, -39.2161

Details

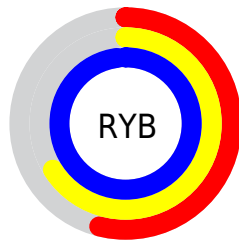
The Yxy color **44.5456, 0.2369, 0.2406** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.7829, 0.3973, 0.4029**, and the grayscale version is **42.6067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2388, 0.2761, 0.3074**, and **20.7783, 0.2175, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **36.6602, 0.2195, 0.2164**, and if you desaturate by 10%, it is **53.6558, 0.2547, 0.2636**.

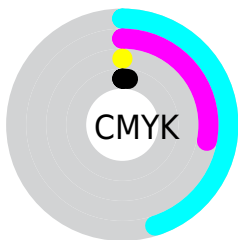
Distribution



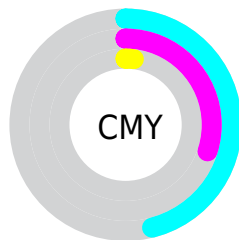
- Red (54%)
- Green (70%)
- Blue (98%)



- Red (54%)
- Yellow (66%)
- Blue (98%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)



- Cyan (46%)
- Magenta (30%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5456, 0.2369, 0.2406 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 44.5456, 0.2369, 0.2406 by changing the saturation by 10% instead.

■ 44.5456, 0.2369,
0.2406

■ 44.5456, 0.2369,
0.2406

364.9301, 0.2739,
0.2832

■ 31.0997, 0.2281,
0.2306

■ 82.0381, 0.2500,
0.2556

■ 20.6748, 0.2172,
0.2183

■ 106.8535, 0.2551,
0.2614

■ 12.8865, 0.2031,
0.2027

136.2274, 0.2594,
0.2663

■ 7.3504, 0.1848,
0.1823

170.5444, 0.2631,
0.2706

■ 3.6822, 0.1599,
0.1553

210.1888, 0.2663,
0.2743

■ 1.4974, 0.1256,
0.1187

255.5449, 0.2691,

■ 0.2869, 0.0677,

0.2776

0.0507

306.9972, 0.2717,
0.2805

0.0000, 0.0000,
0.0000

44.5456, 0.2369,
0.2406

44.5456, 0.2369,
0.2406

36.6602, 0.2195,
0.2164

53.6558, 0.2547,
0.2636

29.9359, 0.2033,
0.1916

64.0401, 0.2723,
0.2848

24.3097, 0.1889,
0.1671

75.7510, 0.2893,
0.3041

19.7094, 0.1771,
0.1439

88.8363, 0.3054,
0.3214

16.0503, 0.1684,
0.1231

99.6829, 0.3156,
0.3338

■ 14.4654, 0.1648,
0.1133

Harmonies

Analogous

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



44.5456, 0.2142, 0.2559



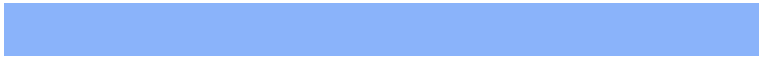
44.5456, 0.2369, 0.2406



44.5456, 0.2801, 0.2461

Triad

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



44.5456, 0.2369, 0.2406



44.5456, 0.4220, 0.3488



44.5456, 0.2827, 0.4021

Complementary

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



44.5456, 0.2369, 0.2406



67.7829, 0.3973, 0.4029

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.



44.5456, 0.3377, 0.4305



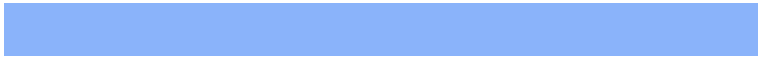
44.5456, 0.2369, 0.2406



44.5456, 0.4205, 0.3916

Square

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



44.5456, 0.2369, 0.2406



44.5456, 0.3903, 0.3056



44.5456, 0.3885, 0.4236



44.5456, 0.2384, 0.3480

Rectangle

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



44.5456, 0.2369, 0.2406



44.5456, 0.3171, 0.2598



44.5456, 0.3885, 0.4236



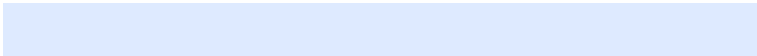
44.5456, 0.3006, 0.4154

Sweetspot

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



44.5472, 0.2369, 0.2406



81.5591, 0.2922, 0.3073



78.3849, 0.2714, 0.3786



16.8395, 0.2886, 0.3033



0.0000, 0.0000, 0.0000



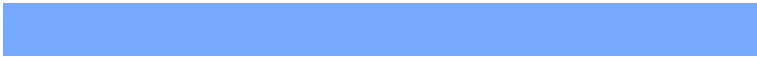
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5472, 0.2369, 0.2406



38.9094, 0.2208, 0.2182



31.8555, 0.2380, 0.1921



17.6828, 0.2979, 0.3135



7.9219, 0.1657, 0.1163



0.9279, 0.1722, 0.1399

Inverse Universe

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



41.7651, 0.3877, 0.2858



36.8678, 0.4121, 0.2779



87.8900, 0.3688, 0.4436



17.3302, 0.3236, 0.3204



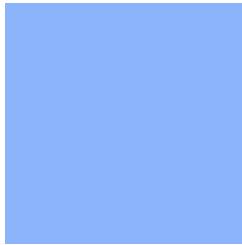
11.2106, 0.5519, 0.2814



1.0579, 0.5192, 0.2634

Previews

White Background



This preview shows how the Yxy color 44.5456, 0.2369, 0.2406 looks on a white background.

Color Contrast Check

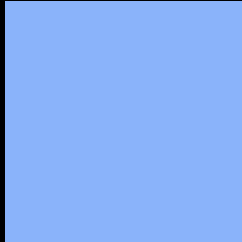
Large Text (above 18pt) WCAG AA × Fail

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 44.5456, 0.2369, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

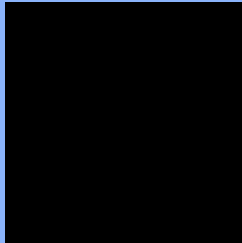
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

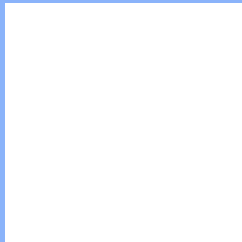
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5456, 0.2369, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 44.5456, 0.2369, 0.2406.



This preview shows how white text looks on a background with the Yxy color 44.5456, 0.2369, 0.2406.

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

44.5456, 0.2369, 0.2406

Protanopia

44.4433, 0.2485, 0.2410

Deuteranopia

44.5950, 0.2434, 0.2375



Tritanopia

44.6382, 0.2567, 0.3078

Trichromacy



Original Color

44.5456, 0.2369, 0.2406

Protanomaly

44.2175, 0.2437, 0.2402

Deuteranomaly

44.5203, 0.2406, 0.2381

Tritanomaly

44.6111, 0.2493, 0.2818

Monochromacy



Original Color

44.5456, 0.2369, 0.2406

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.9963, 0.2812, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5456, 0.2369, 0.2406 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(138, 179, 250)` looks like.

```
.text, #text, p{  
    color:rgb(138, 179, 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(138, 179, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 179, 250) }
```

Border

The CSS property to change the border of an element to Yxy 44.5456, 0.2369, 0.2406 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(138, 179, 250) }
```

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

```
.border{ border-color:rgb(138, 179, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 179, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 179, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 179, 250);  
box-shadow:4px 4px 4px 4px rgb(138, 179,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5456, 0.2369, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 179, 250) }
```

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

```
.background{ background-color: rgb(138,  
179, 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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