

Converting Colors

$Yxy(49.1877, 0.2399, 0.2564)$

Have a look what the booklet for
Yxy(49.1877, 0.2399, 0.2564)
contains.

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Color

Yxy(49.0697, 0.2399, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	8ABEF9
RGB	138, 190, 249
RGB Percent	54%, 75%, 98%
CMY	0.4586, 0.2549, 0.0235
CMYK	0.45, 0.24, 0.00, 0.02
HSL	212°, 90%, 76%
HSV	212°, 45%, 98%
XYZ	46.0016, 49.0697, 96.6821
YIQ	181.1780, -49.9310, 7.3250

Conversions

Conversions Part 2

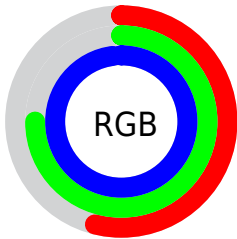
Format	Color
RYB	138, 173, 249
Decimal	9092857
CIELab	75.49, -1.81, -34.48
CIELCh	75, 34.530, 267.003
Yxy	49.0697, 0.2399, 0.2559
Android (android.graphics.Color)	4287282937 (0xFF8ABEF9)
YUV	181.1780, 33.4362, -37.8671
Hunter-Lab	70.0498, -5.3662, -32.7967

Details

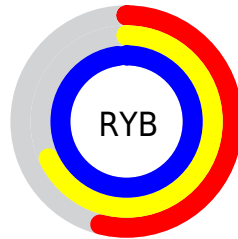
The Yxy color **49.0697, 0.2399, 0.2559** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9486, 0.4022, 0.3914**, and the grayscale version is **46.1525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7336, 0.2771, 0.3193**, and **23.4464, 0.2218, 0.2379** is the 20% darker color. If you saturate the color by 10%, you get **41.7049, 0.2239, 0.2357**, and if you desaturate by 10%, it is **57.4466, 0.2566, 0.2749**.

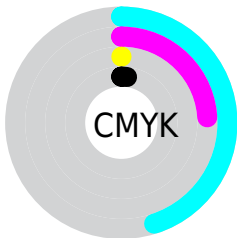
Distribution



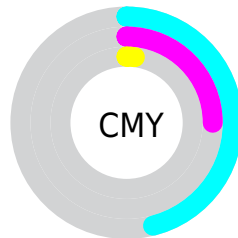
- Red (54%)
- Green (75%)
- Blue (98%)



- Red (54%)
- Yellow (68%)
- Blue (98%)



- Cyan (45%)
- Magenta (24%)
- Yellow (0%)
- Black (2%)




- Cyan (46%)
- Magenta (25%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0697, 0.2399, 0.2559 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 49.0697, 0.2399, 0.2559 by changing the saturation by 10% instead.


 49.0697, 0.2399,
0.2559


 49.0697, 0.2399,
0.2559


383.0166, 0.2749,
0.2912

 34.6748, 0.2317,
0.2476

 88.7950, 0.2522,
0.2684

 23.4125, 0.2215,
0.2372

 114.8941, 0.2570,
0.2732

 14.8984, 0.2085,
0.2239


145.6634, 0.2610,
0.2773

 8.7481, 0.1916,
0.2065

181.4873, 0.2646,
0.2808

 4.5772, 0.1687,
0.1830

222.7502, 0.2676,
0.2839

 2.0014, 0.1368,
0.1499

269.8364, 0.2703,

 0.6083, 0.0872,

0.2866

0.0993

323.1305, 0.2727,
0.2891

0.0000, 0.0000,
0.0000

49.0697, 0.2399,
0.2559

49.0697, 0.2399,
0.2559

41.7049, 0.2239,
0.2357

57.4466, 0.2566,
0.2749

35.2992, 0.2090,
0.2149

66.8739, 0.2733,
0.2925

29.8021, 0.1959,
0.1939

77.3943, 0.2898,
0.3086

25.1541, 0.1851,
0.1734

89.0463, 0.3057,
0.3230

21.2853, 0.1769,
0.1540

99.6206, 0.3162,
0.3347

■ 19.4592, 0.1734,
0.1441

Harmonies

Analogous

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



49.0697, 0.2264, 0.2758



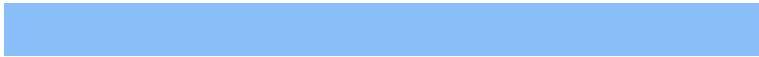
49.0697, 0.2399, 0.2559



49.0697, 0.2721, 0.2547

Triad

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



49.0697, 0.2399, 0.2559



49.0697, 0.3988, 0.3349



49.0697, 0.3024, 0.4000

Complementary

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



49.0697, 0.2399, 0.2559



61.9486, 0.4022, 0.3914

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.



49.0697, 0.3493, 0.4150



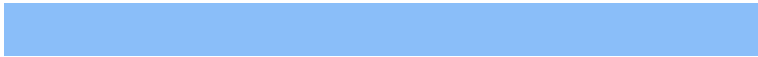
49.0697, 0.2399, 0.2559



49.0697, 0.4070, 0.3724

Square

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



49.0697, 0.2399, 0.2559



49.0697, 0.3650, 0.2986



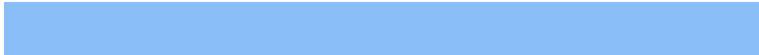
49.0697, 0.3881, 0.4027



49.0697, 0.2604, 0.3605

Rectangle

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



49.0697, 0.2399, 0.2559



49.0697, 0.3015, 0.2633



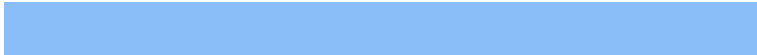
49.0697, 0.3881, 0.4027



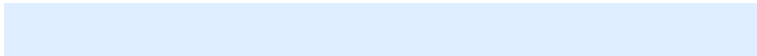
49.0697, 0.3181, 0.4082

Sweetspot

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



49.0715, 0.2399, 0.2559



83.5064, 0.2923, 0.3109



77.1272, 0.2779, 0.3950



17.3181, 0.2887, 0.3075



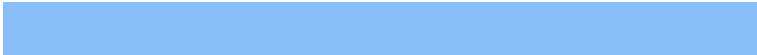
0.0000, 0.0000, 0.0000



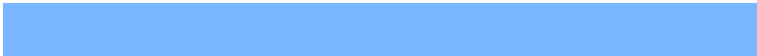
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0715, 0.2399, 0.2559



45.1136, 0.2262, 0.2388



30.6005, 0.2295, 0.1898



17.9825, 0.2980, 0.3160



10.6935, 0.1742, 0.1470



1.2005, 0.1804, 0.1694

Inverse Universe

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



42.0529, 0.3748, 0.2743



38.0803, 0.3929, 0.2648



89.4028, 0.3777, 0.4392



17.3604, 0.3220, 0.3179



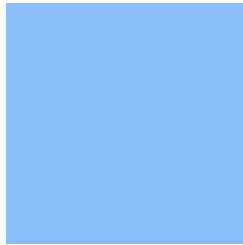
11.4904, 0.5098, 0.2582



1.0854, 0.4814, 0.2425

Previews

White Background



This preview shows how the Yxy color 49.0697, 0.2399, 0.2559 looks on a white background.

Color Contrast Check

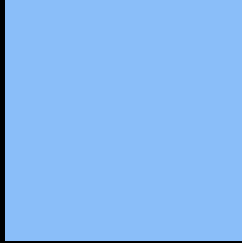
Large Text (above 18pt) WCAG AA × Fail

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 49.0697, 0.2399, 0.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

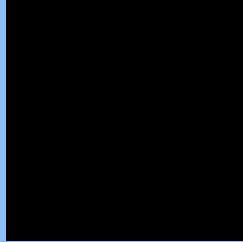
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

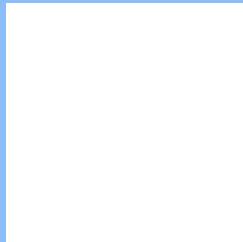
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0697, 0.2399, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 49.0697, 0.2399, 0.2559.



This preview shows how white text looks on a background with the Yxy color 49.0697, 0.2399, 0.2559.

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

49.0697, 0.2399, 0.2559

Protanopia

48.8336, 0.2600, 0.2559

Deuteranopia

49.0475, 0.2547, 0.2485



Tritanopia

49.2752, 0.2552, 0.3086

Trichromacy



Original Color

49.0697, 0.2399, 0.2559

Protanomaly

49.0407, 0.2523, 0.2562

Deuteranomaly

49.0879, 0.2489, 0.2518

Tritanomaly

48.9253, 0.2497, 0.2882

Monochromacy



Original Color

49.0697, 0.2399, 0.2559

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.7365, 0.2814, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0697, 0.2399, 0.2559 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, 190, 249)` looks like.

```
.text, #text, p{  
    color:rgb(138, 190, 249)  
}
```

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, 190, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 190, 249) }
```

Border

The CSS property to change the border of an element to Yxy 49.0697, 0.2399, 0.2559 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, 190, 249) }
```

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

```
.border{ border-color:rgb(138, 190, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 190, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 190, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 190, 249);  
box-shadow:4px 4px 4px 4px rgb(138, 190,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0697, 0.2399, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 190, 249) }
```

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

```
.background{ background-color: rgb(138,  
190, 249) }
```

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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