

Converting Colors

$Yxy(49.6926, 0.2437, 0.2671)$

Have a look what the booklet for
Yxy(49.6926, 0.2437, 0.2671)
contains.

Yxy(49.8691, 0.2435, 0.2674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8691, 0.2435, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	89C1F2
RGB	137, 193, 242
RGB Percent	54%, 76%, 95%
CMY	0.4627, 0.2431, 0.0511
CMYK	0.43, 0.20, 0.00, 0.05
HSL	208°, 80%, 74%
HSV	208°, 43%, 95%
XYZ	45.4118, 49.8691, 91.2153
YIQ	181.8420, -49.1050, 3.3670

Conversions

Conversions Part 2

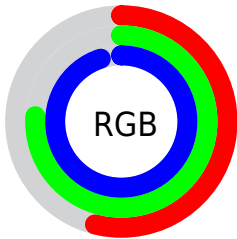
Format	Color
R _Y B	137, 174, 242
Decimal	9028082
CIE Lab	75.99, -5.62, -29.94
CIE LCh	76, 30.460, 259.367
Yxy	49.8691, 0.2435, 0.2674
Android (android.graphics.Color)	4287218162 (0xFF89C1F2)
YUV	181.8420, 29.6579, -39.3264
Hunter-Lab	70.6181, -8.7949, -27.1506

Details

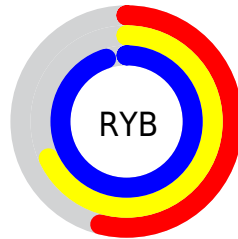
The Yxy color **49.8691, 0.2435, 0.2674** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.7918, 0.4024, 0.3826**, and the grayscale version is **46.5468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4407, 0.2768, 0.3225**, and **24.0507, 0.2262, 0.2515** is the 20% darker color. If you saturate the color by 10%, you get **43.2472, 0.2282, 0.2500**, and if you desaturate by 10%, it is **57.3344, 0.2595, 0.2838**.

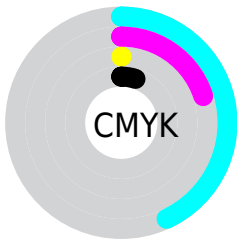
Distribution



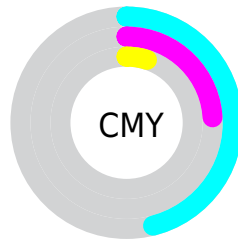
- Red (54%)
- Green (76%)
- Blue (95%)



- Red (54%)
- Yellow (68%)
- Blue (95%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (46%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8691, 0.2435, 0.2674 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 49.8691, 0.2435, 0.2674 by changing the saturation by 10% instead.

■ 49.8691, 0.2435,
0.2674

■ 49.8691, 0.2435,
0.2674

■ 386.1538, 0.2767,
0.2975

■ 35.3094, 0.2357,
0.2602

■ 89.9809, 0.2552,
0.2781

■ 23.9013, 0.2260,
0.2511

■ 116.3018, 0.2597,
0.2822

■ 15.2604, 0.2136,
0.2395

■ 147.3119, 0.2636,
0.2857

■ 9.0024, 0.1972,
0.2239

■ 183.3955, 0.2669,
0.2887

■ 4.7427, 0.1750,
0.2024

■ 224.9371, 0.2698,
0.2913

■ 2.0971, 0.1437,
0.1713

■ 272.3211, 0.2724,

■ 0.6630, 0.0912,

0.2936

0.1226

325.9319, 0.2747,
0.2957

0.0000, 0.0000,
0.0000

49.8691, 0.2435,
0.2674

49.8691, 0.2435,
0.2674

43.2472, 0.2282,
0.2500

57.3344, 0.2595,
0.2838

37.4234, 0.2142,
0.2319

65.6738, 0.2757,
0.2989

32.3563, 0.2018,
0.2135

74.9229, 0.2918,
0.3127

27.9962, 0.1916,
0.1952

85.1135, 0.3075,
0.3251

24.2848, 0.1837,
0.1776

95.7013, 0.3207,
0.3362

■ 22.1297, 0.1796,
0.1664

■ 99.1892, 0.3203,
0.3415

Harmonies

Analogous

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



49.8691, 0.2360, 0.2896



49.8691, 0.2435, 0.2674



49.8691, 0.2684, 0.2618

Triad

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



49.8691, 0.2435, 0.2674



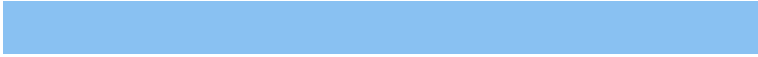
49.8691, 0.3824, 0.3261



49.8691, 0.3146, 0.3964

Complementary

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



49.8691, 0.2435, 0.2674



55.7918, 0.4024, 0.3826

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.



49.8691, 0.3551, 0.4036



49.8691, 0.2435, 0.2674



49.8691, 0.3959, 0.3598

Square

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



49.8691, 0.2435, 0.2674



49.8691, 0.3487, 0.2949



49.8691, 0.3854, 0.3887



49.8691, 0.2753, 0.3665

Rectangle

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



49.8691, 0.2435, 0.2674



49.8691, 0.2927, 0.2670



49.8691, 0.3854, 0.3887



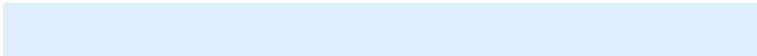
49.8691, 0.3285, 0.4015

Sweetspot

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



49.8710, 0.2435, 0.2674



84.7716, 0.2924, 0.3131



72.2798, 0.2822, 0.4020



17.6300, 0.2888, 0.3102



0.0000, 0.0000, 0.0000



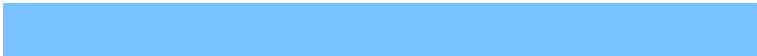
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8710, 0.2435, 0.2674



49.5854, 0.2301, 0.2522



31.1542, 0.2322, 0.2006



16.6251, 0.2980, 0.3177



12.1676, 0.1803, 0.1692



1.2113, 0.1866, 0.1918

Inverse Universe

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



40.6195, 0.3650, 0.2687



39.1337, 0.3807, 0.2574



81.0893, 0.3794, 0.4314



15.8998, 0.3210, 0.3165



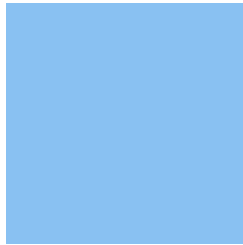
11.0217, 0.4817, 0.2427



0.9370, 0.4547, 0.2278

Previews

White Background



This preview shows how the Yxy color 49.8691, 0.2435, 0.2674 looks on a white background.

Color Contrast Check

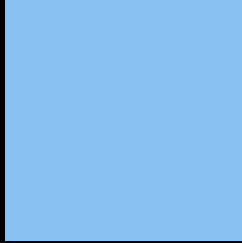
Large Text (above 18pt) WCAG AA × Fail

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 49.8691, 0.2435, 0.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

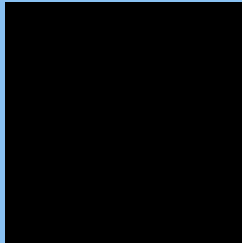
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

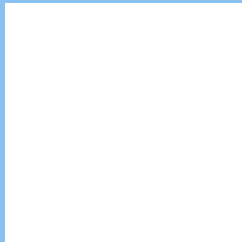
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8691, 0.2435, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 49.8691, 0.2435, 0.2674.



This preview shows how white text looks on a background with the Yxy color 49.8691, 0.2435, 0.2674.

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

49.8691, 0.2435, 0.2674

Protanopia

49.7527, 0.2685, 0.2675

Deuteranopia

49.8113, 0.2635, 0.2577



Tritanopia

49.9103, 0.2549, 0.3074

Trichromacy



Original Color

49.8691, 0.2435, 0.2674

Protanomaly

49.7166, 0.2590, 0.2676

Deuteranomaly

49.5888, 0.2560, 0.2609

Tritanomaly

49.7672, 0.2507, 0.2921

Monochromacy



Original Color

49.8691, 0.2435, 0.2674

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5844, 0.2837, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8691, 0.2435, 0.2674 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(137, 193, 242)` looks like.

```
.text, #text, p{  
    color:rgb(137, 193, 242)  
}
```

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(137, 193, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 193, 242) }
```

Border

The CSS property to change the border of an element to Yxy 49.8691, 0.2435, 0.2674 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(137, 193, 242) }
```

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

```
.border{ border-color:rgb(137, 193, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 193, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 193, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 193, 242);  
box-shadow:4px 4px 4px 4px rgb(137, 193,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8691, 0.2435, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 193, 242) }
```

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

```
.background{ background-color: rgb(137,  
193, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor