

Converting Colors

$Y_{xy}(49.8872, 0.2443, 0.2750)$

Have a look what the booklet for
Yxy(49.8872, 0.2443, 0.2750)
contains.

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Color

Yxy(49.6845, 0.2441, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	85C2ED
RGB	133, 194, 237
RGB Percent	52%, 76%, 93%
CMY	0.4780, 0.2393, 0.0706
CMYK	0.44, 0.18, 0.00, 0.07
HSL	205°, 74%, 73%
HSV	205°, 44%, 93%
XYZ	44.2627, 49.6845, 87.3831
YIQ	180.6630, -50.1590, 0.4410

Conversions

Conversions Part 2

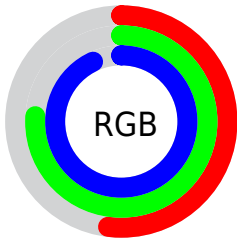
Format	Color
RYB	133, 171, 237
Decimal	8766189
CIELab	75.88, -8.46, -27.45
CIELCh	76, 28.727, 252.881
Yxy	49.6845, 0.2441, 0.2740
Android (android.graphics.Color)	4286956269 (0xFF85C2ED)
YUV	180.6630, 27.7741, -41.8005
Hunter-Lab	70.4872, -11.2629, -24.1608

Details

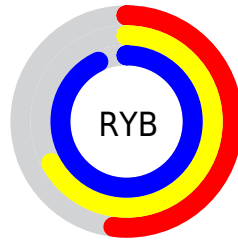
The Yxy color **49.6845, 0.2441, 0.2740** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.8013, 0.4063, 0.3772**, and the grayscale version is **45.8967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5384, 0.2747, 0.3236**, and **23.6289, 0.2262, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **43.7437, 0.2296, 0.2587**, and if you desaturate by 10%, it is **56.3528, 0.2595, 0.2884**.

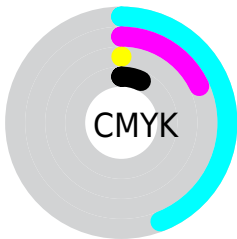
Distribution



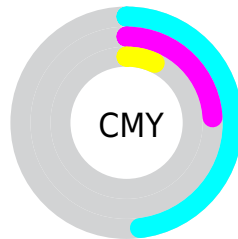
- Red (52%)
- Green (76%)
- Blue (93%)



- Red (52%)
- Yellow (67%)
- Blue (93%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6845, 0.2441, 0.2740 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 49.6845, 0.2441, 0.2740 by changing the saturation by 10% instead.

■ 49.6845, 0.2441,
0.2740

■ 49.6845, 0.2441,
0.2740

■ 385.4309, 0.2771,
0.3011

■ 35.1628, 0.2363,
0.2674

■ 89.7072, 0.2557,
0.2837

■ 23.7883, 0.2267,
0.2591

■ 115.9770, 0.2602,
0.2874

■ 15.1766, 0.2143,
0.2483

■ 146.9317, 0.2640,
0.2906

■ 8.9435, 0.1979,
0.2338

■ 182.9555, 0.2673,
0.2933

■ 4.7043, 0.1756,
0.2134

■ 224.4330, 0.2702,
0.2956

■ 2.0748, 0.1440,
0.1832

■ 271.7484, 0.2728,

■ 0.6504, 0.0853,

0.2977

0.1347

325.2862, 0.2750,
0.2995

0.0000, 0.0000,
0.0000

49.6845, 0.2441,
0.2740

49.6845, 0.2441,
0.2740

43.7437, 0.2296,
0.2587

56.3528, 0.2595,
0.2884

38.4896, 0.2164,
0.2428

63.7753, 0.2753,
0.3018

33.8852, 0.2049,
0.2265

71.9836, 0.2912,
0.3140

29.8859, 0.1955,
0.2103

81.0059, 0.3068,
0.3251

26.4388, 0.1883,
0.1945

90.8687, 0.3220,
0.3350

■ 24.5436, 0.1848,
0.1851

■ 97.5403, 0.3234,
0.3443

■ 98.8949, 0.3232,
0.3464

Harmonies

Analogous

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



49.6845, 0.2408, 0.2985



49.6845, 0.2441, 0.2740



49.6845, 0.2644, 0.2651

Triad

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



49.6845, 0.2441, 0.2740



49.6845, 0.3729, 0.3196



49.6845, 0.3232, 0.3958

Complementary

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



49.6845, 0.2441, 0.2740



50.8013, 0.4063, 0.3772

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.



49.6845, 0.3602, 0.3980



49.6845, 0.2441, 0.2740



49.6845, 0.3904, 0.3517

Square

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



49.6845, 0.2441, 0.2740



49.6845, 0.3383, 0.2911



49.6845, 0.3854, 0.3805



49.6845, 0.2848, 0.3718

Rectangle

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



49.6845, 0.2441, 0.2740



49.6845, 0.2859, 0.2679



49.6845, 0.3854, 0.3805



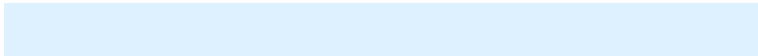
49.6845, 0.3362, 0.3991

Sweetspot

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



49.6864, 0.2441, 0.2740



85.7989, 0.2924, 0.3149



68.6496, 0.2847, 0.4100



17.8837, 0.2889, 0.3123



0.0000, 0.0000, 0.0000



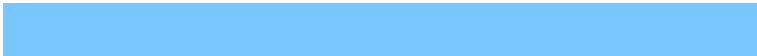
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6864, 0.2441, 0.2740



52.0679, 0.2305, 0.2597



30.9024, 0.2324, 0.2060



16.0157, 0.2981, 0.3190



13.6640, 0.1855, 0.1876



1.2619, 0.1914, 0.2091

Inverse Universe

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



38.7028, 0.3598, 0.2624



38.7823, 0.3746, 0.2494



74.4311, 0.3823, 0.4276



15.2021, 0.3201, 0.3153



10.8722, 0.4596, 0.2305



0.8728, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 49.6845, 0.2441, 0.2740 looks on a white background.

Color Contrast Check

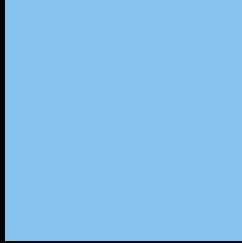
Large Text (above 18pt) WCAG AA × Fail

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 49.6845, 0.2441, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

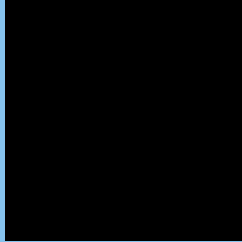
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6845, 0.2441, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 49.6845, 0.2441, 0.2740.



This preview shows how white text looks on a background with the Yxy color 49.6845, 0.2441, 0.2740.

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

49.6845, 0.2441, 0.2740

Protanopia

49.2243, 0.2736, 0.2730

Deuteranopia

49.3291, 0.2678, 0.2620



Tritanopia

49.7552, 0.2538, 0.3073

Trichromacy



Original Color

49.6845, 0.2441, 0.2740

Protanomaly

49.3232, 0.2612, 0.2731

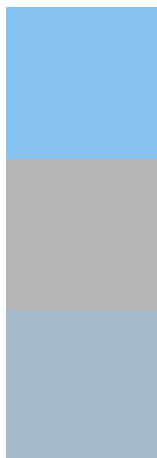
Deuteranomaly

49.1873, 0.2582, 0.2662

Tritanomaly

49.8736, 0.2503, 0.2958

Monochromacy



Original Color

49.6845, 0.2441, 0.2740

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2274, 0.2842, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6845, 0.2441, 0.2740 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(133, 194, 237)` looks like.

```
.text, #text, p{  
    color:rgb(133, 194, 237)  
}
```

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(133, 194, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 194, 237) }
```

Border

The CSS property to change the border of an element to Yxy 49.6845, 0.2441, 0.2740 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(133, 194, 237) }
```

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

```
.border{ border-color:rgb(133, 194, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 194, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 194, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 194, 237);  
box-shadow:4px 4px 4px 4px rgb(133, 194,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6845, 0.2441, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 194, 237) }
```

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

```
.background{ background-color: rgb(133,  
194, 237) }
```

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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