

Converting Colors

$Y_{xy}(49.3990, 0.2344, 0.2610)$

Have a look what the booklet for
Yxy(49.3990, 0.2344, 0.2610)
contains.

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Color

Yxy(49.5841, 0.2346, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	7CC2F7
RGB	124, 194, 247
RGB Percent	49%, 76%, 97%
CMY	0.5140, 0.2391, 0.0314
CMYK	0.50, 0.21, 0.00, 0.03
HSL	206°, 88%, 73%
HSV	206°, 50%, 97%
XYZ	44.3816, 49.5841, 95.2143
YIQ	179.1120, -58.7330, 1.6430

Conversions

Conversions Part 2

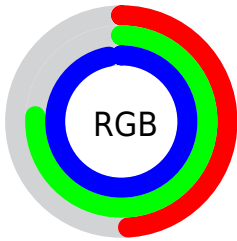
Format	Color
RYB	124, 169, 247
Decimal	8176375
CIELab	75.81, -7.84, -32.96
CIELCh	76, 33.876, 256.615
Yxy	49.5841, 0.2346, 0.2621
Android (android.graphics.Color)	4286366455 (0xFF7CC2F7)
YUV	179.1120, 33.4688, -48.3332
Hunter-Lab	70.4160, -10.7233, -30.8789

Details

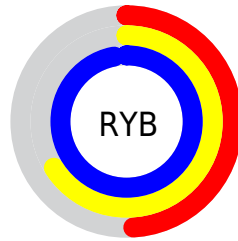
The Yxy color **49.5841, 0.2346, 0.2621** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.6252, 0.4227, 0.3856**, and the grayscale version is **44.9758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5363, 0.2705, 0.3235**, and **23.8574, 0.2158, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **43.4074, 0.2206, 0.2457**, and if you desaturate by 10%, it is **56.5636, 0.2497, 0.2778**.

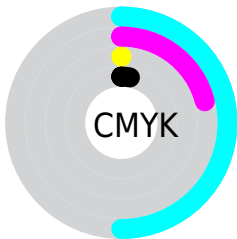
Distribution



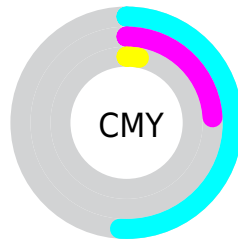
- Red (49%)
- Green (76%)
- Blue (97%)



- Red (49%)
- Yellow (66%)
- Blue (97%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)



- Cyan (51%)
- Magenta (24%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5841, 0.2346, 0.2621 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 49.5841, 0.2346, 0.2621 by changing the saturation by 10% instead.

■ 49.5841, 0.2346,
0.2621

■ 49.5841, 0.2346,
0.2621

■ 385.0373, 0.2719,
0.2948

■ 35.0830, 0.2259,
0.2543

■ 89.5584, 0.2477,
0.2738

■ 23.7269, 0.2152,
0.2445

■ 115.8003, 0.2527,
0.2782

■ 15.1311, 0.2015,
0.2319

■ 146.7248, 0.2571,
0.2820

■ 8.9115, 0.1837,
0.2152

■ 182.7160, 0.2608,
0.2853

■ 4.6835, 0.1599,
0.1923

■ 224.1585, 0.2641,
0.2881

■ 2.0628, 0.1272,
0.1597

■ 271.4366, 0.2670,

■ 0.6436, 0.0719,

0.2906

0.1101

324.9348, 0.2696,
0.2928

0.0000, 0.0000,
0.0000

49.5841, 0.2346,
0.2621

49.5841, 0.2346,
0.2621

43.4074, 0.2206,
0.2457

56.5636, 0.2497,
0.2778

37.9860, 0.2081,
0.2288

64.3787, 0.2655,
0.2924

33.2741, 0.1976,
0.2118

73.0665, 0.2816,
0.3059

29.2167, 0.1893,
0.1952

82.6600, 0.2975,
0.3182

25.7281, 0.1831,
0.1792

93.1901, 0.3130,
0.3292

■ 25.6708, 0.1830,
0.1789

■ 99.4945, 0.3174,
0.3367

Harmonies

Analogous

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



49.5841, 0.2282, 0.2880



49.5841, 0.2346, 0.2621



49.5841, 0.2602, 0.2546

Triad

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



49.5841, 0.2346, 0.2621



49.5841, 0.3878, 0.3221



49.5841, 0.3187, 0.4066

Complementary

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



49.5841, 0.2346, 0.2621



52.6252, 0.4227, 0.3856

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.



49.5841, 0.3632, 0.4116



49.5841, 0.2346, 0.2621



49.5841, 0.4053, 0.3592

Square

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



49.5841, 0.2346, 0.2621



49.5841, 0.3485, 0.2884



49.5841, 0.3955, 0.3924



49.5841, 0.2745, 0.3749

Rectangle

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



49.5841, 0.2346, 0.2621



49.5841, 0.2862, 0.2594



49.5841, 0.3955, 0.3924



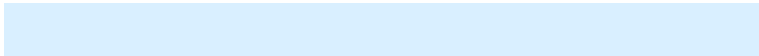
49.5841, 0.3341, 0.4114

Sweetspot

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



49.5859, 0.2346, 0.2621



83.3958, 0.2892, 0.3119



73.8948, 0.2809, 0.4210



17.3895, 0.2859, 0.3093



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.



49.5859, 0.2346, 0.2621



46.5040, 0.2202, 0.2452



28.0933, 0.2193, 0.1832



17.4937, 0.2980, 0.3186



13.8660, 0.1838, 0.1815



1.4226, 0.1894, 0.2017

Inverse Universe

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



38.0634, 0.3715, 0.2557



34.4433, 0.3898, 0.2432



81.6369, 0.3906, 0.4417



16.6407, 0.3204, 0.3156



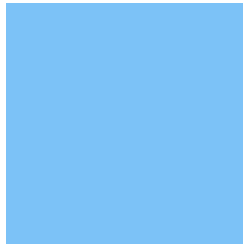
11.4992, 0.4667, 0.2345



1.0312, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 49.5841, 0.2346, 0.2621 looks on a white background.

Color Contrast Check

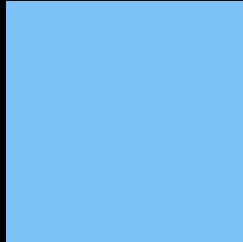
Large Text (above 18pt) WCAG AA × Fail

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 49.5841, 0.2346, 0.2621 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

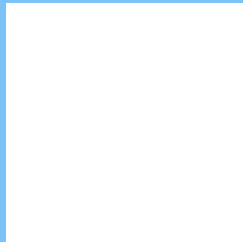
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5841, 0.2346, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 49.5841, 0.2346, 0.2621.



This preview shows how white text looks on a background with the Yxy color 49.5841, 0.2346, 0.2621.

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

49.5841, 0.2346, 0.2621

Protanopia

49.3429, 0.2645, 0.2617

Deuteranopia

49.1415, 0.2571, 0.2507



Tritanopia

49.8438, 0.2464, 0.3071

Trichromacy



Original Color

49.5841, 0.2346, 0.2621

Protanomaly

49.4061, 0.2524, 0.2615

Deuteranomaly

49.0903, 0.2483, 0.2547

Tritanomaly

49.7858, 0.2423, 0.2904

Monochromacy



Original Color

49.5841, 0.2346, 0.2621

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.0115, 0.2783, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5841, 0.2346, 0.2621 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(124, 194, 247)` looks like.

```
.text, #text, p{  
    color:rgb(124, 194, 247)  
}
```

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(124, 194, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 194, 247) }
```

Border

The CSS property to change the border of an element to Yxy 49.5841, 0.2346, 0.2621 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(124, 194, 247) }
```

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

```
.border{ border-color:rgb(124, 194, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 194, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 194, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 194, 247); box-shadow:4px 4px 4px 4px rgb(124, 194, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5841, 0.2346, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 194, 247) }
```

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

```
.background{ background-color: rgb(124,  
194, 247) }
```

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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