

Converting Colors

$Y_{xy}(49.3703, 0.2191, 0.2580)$

Have a look what the booklet for
Yxy(49.3703, 0.2191, 0.2580)
contains.

Yxy(49.1482, 0.2187, 0.2571)	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(49.1482, 0.2187, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	59C5FD
RGB	89, 197, 253
RGB Percent	35%, 77%, 99%
CMY	0.6514, 0.2274, 0.0079
CMYK	0.65, 0.22, 0.00, 0.01
HSL	200°, 98%, 67%
HSV	200°, 65%, 99%
XYZ	41.8075, 49.1482, 100.2080
YIQ	171.0920, -82.3440, -5.4800

Conversions

Conversions Part 2

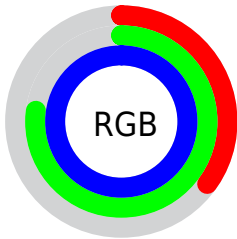
Format	Color
R _Y B	89, 154, 253
Decimal	5883389
CIE Lab	75.54, -14.33, -36.71
CIE LCh	76, 39.405, 248.677
Yxy	49.1482, 0.2187, 0.2571
Android (android.graphics.Color)	4284073469 (0xFF59C5FD)
YUV	171.0920, 40.3806, -71.9947
Hunter-Lab	70.1058, -16.2368, -35.6741

Details

The Yxy color **49.1482, 0.2187, 0.2571** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.8171, 0.4810, 0.3838**, and the grayscale version is **40.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8759, 0.2573, 0.3277**, and **23.6304, 0.1995, 0.2383** is the 20% darker color. If you saturate the color by 10%, you get **44.2990, 0.2085, 0.2439**, and if you desaturate by 10%, it is **54.6550, 0.2307, 0.2701**.

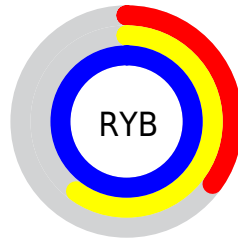
Distribution



Red (35%)

Green (77%)

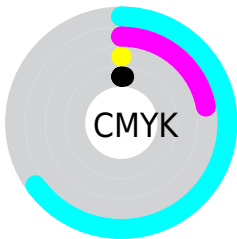
Blue (99%)



Red (35%)

Yellow (60%)

Blue (99%)

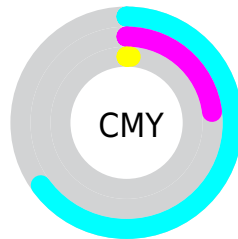


Cyan (65%)

Magenta (22%)

Yellow (0%)

Black (1%)



Cyan (65%)


Magenta (23%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1482, 0.2187, 0.2571 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 49.1482, 0.2187, 0.2571 by changing the saturation by 10% instead.


 49.1482, 0.2187,
0.2571


 49.1482, 0.2187,
0.2571


383.3255, 0.2631,
0.2926

 34.7371, 0.2085,
0.2486


 88.9115, 0.2342,
0.2698


 23.4604, 0.1961,
0.2379


 115.0325, 0.2402,
0.2746

 14.9338, 0.1804,
0.2242


 145.8255, 0.2453,
0.2787

 8.7730, 0.1604,
0.2062

 181.6750, 0.2498,
0.2823

 4.5934, 0.1344,
0.1816

222.9654, 0.2538,
0.2853

 2.0107, 0.1001,
0.1471

270.0810, 0.2572,

 0.6137, 0.0369,

0.2881

0.0970

323.4062, 0.2603,
0.2905

0.0000, 0.0000,
0.0000

49.1482, 0.2187,
0.2571

49.1482, 0.2187,
0.2571

44.2990, 0.2085,
0.2439

54.6550, 0.2307,
0.2701

40.0522, 0.2004,
0.2306

60.8575, 0.2442,
0.2826

36.3490, 0.1944,
0.2176

67.7961, 0.2587,
0.2945

34.6140, 0.1920,
0.2110

75.5061, 0.2740,
0.3055

84.0201, 0.2896,
0.3156

■ 93.3686, 0.3052,
0.3249

99.8717, 0.3139,
0.3309

Harmonies

Analogous

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



49.1482, 0.2174, 0.2918



49.1482, 0.2187, 0.2571



49.1482, 0.2422, 0.2436

Triad

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



49.1482, 0.2187, 0.2571



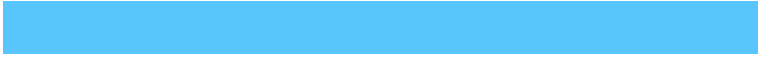
49.1482, 0.3902, 0.3095



49.1482, 0.3331, 0.4252

Complementary

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



49.1482, 0.2187, 0.2571



41.8171, 0.4810, 0.3838

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.



49.1482, 0.3826, 0.4213



49.1482, 0.2187, 0.2571



49.1482, 0.4185, 0.3515

Square

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



49.1482, 0.2187, 0.2571



49.1482, 0.3396, 0.2737



49.1482, 0.4148, 0.3922



49.1482, 0.2806, 0.3956

Rectangle

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



49.1482, 0.2187, 0.2571



49.1482, 0.2690, 0.2459



49.1482, 0.4148, 0.3922



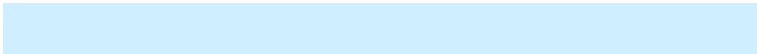
49.1482, 0.3507, 0.4276

Sweetspot

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



49.1499, 0.2187, 0.2571



81.8444, 0.2831, 0.3116



74.3690, 0.2820, 0.4741



16.9902, 0.2786, 0.3086



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.



49.1499, 0.2187, 0.2571



43.6654, 0.2057, 0.2396



21.7594, 0.1932, 0.1495



19.3765, 0.2980, 0.3207



18.6953, 0.1925, 0.2131



2.0233, 0.1966, 0.2278

Inverse Universe

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



32.0424, 0.3804, 0.2251



27.6921, 0.4002, 0.2146



75.8030, 0.4191, 0.4577



18.1889, 0.3191, 0.3135



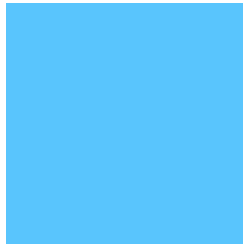
12.6153, 0.4307, 0.2147



1.2488, 0.4149, 0.2059

Previews

White Background



This preview shows how the Yxy color 49.1482, 0.2187, 0.2571 looks on a white background.

Color Contrast Check

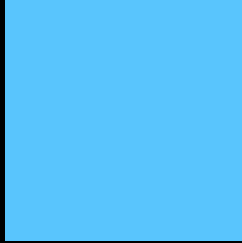
Large Text (above 18pt) WCAG AA × Fail

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 49.1482, 0.2187, 0.2571 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

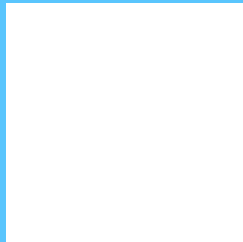
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1482, 0.2187, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 49.1482, 0.2187, 0.2571.



This preview shows how white text looks on a background with the Yxy color 49.1482, 0.2187, 0.2571.

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

49.1482, 0.2187, 0.2571

Protanopia

48.7128, 0.2612, 0.2580

Deuteranopia

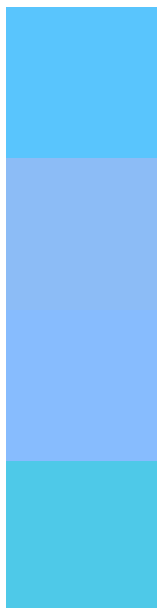
48.7684, 0.2494, 0.2438



Tritanopia

49.2188, 0.2285, 0.3050

Trichromacy



Original Color

49.1482, 0.2187, 0.2571

Protanomaly

48.1957, 0.2420, 0.2567

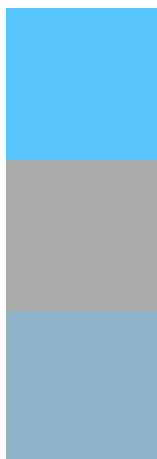
Deuteranomaly

48.2731, 0.2354, 0.2478

Tritanomaly

49.2192, 0.2249, 0.2868

Monochromacy



Original Color

49.1482, 0.2187, 0.2571

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.5223, 0.2668, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1482, 0.2187, 0.2571 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(89, 197, 253)` looks like.

```
.text, #text, p{  
    color:rgb(89, 197, 253)  
}
```

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(89, 197, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 197, 253) }
```

Border

The CSS property to change the border of an element to Yxy 49.1482, 0.2187, 0.2571 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(89, 197, 253) }
```

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

```
.border{ border-color:rgb(89, 197, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 197, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 197, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 197, 253);  
box-shadow:4px 4px 4px 4px rgb(89, 197,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1482, 0.2187, 0.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 197, 253) }
```

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

```
.background{ background-color: rgb(89, 197,  
253) }
```

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