

Converting Colors

$Yxy(49.9684, 0.2491, 0.2581)$

Have a look what the booklet for
Yxy(49.9684, 0.2491, 0.2581)
contains.

Yxy(49.8829, 0.2492, 0.2583)	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(49.8829, 0.2492, 0.2583)

Conversions

Conversions Part 1

Format	Color
Hex	99BDF7
RGB	153, 189, 247
RGB Percent	60%, 74%, 97%
CMY	0.4000, 0.2588, 0.0313
CMYK	0.38, 0.23, 0.00, 0.03
HSL	217°, 86%, 78%
HSV	217°, 38%, 97%
XYZ	48.1255, 49.8829, 95.1116
YIQ	184.8480, -40.0740, 10.4060

Conversions

Conversions Part 2

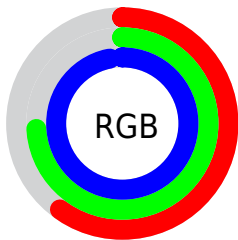
Format	Color
R _Y B	153, 179, 247
Decimal	10075639
CIE Lab	76.00, 1.98, -32.57
CIE LCh	76, 32.629, 273.477
Yxy	49.8829, 0.2492, 0.2583
Android (android.graphics.Color)	4288265719 (0xFF99BDF7)
YUV	184.8480, 30.6409, -27.9307
Hunter-Lab	70.6278, -1.9695, -30.4039

Details

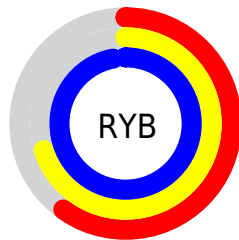
The Yxy color **49.8829, 0.2492, 0.2583** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6810, 0.3832, 0.3904**, and the grayscale version is **48.2712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2265, 0.2855, 0.3185**, and **23.9227, 0.2333, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **41.5073, 0.2317, 0.2355**, and if you desaturate by 10%, it is **59.4492, 0.2668, 0.2795**.

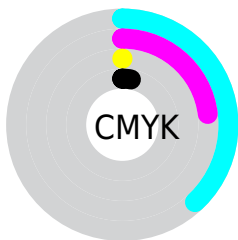
Distribution



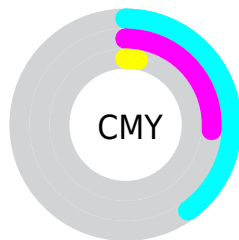
- Red (60%)
- Green (74%)
- Blue (97%)



- Red (60%)
- Yellow (70%)
- Blue (97%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)



- Cyan (40%)
- Magenta (26%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8829, 0.2492, 0.2583 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 49.8829, 0.2492, 0.2583 by changing the saturation by 10% instead.

■ 49.8829, 0.2492,
0.2583

■ 49.8829, 0.2492,
0.2583

■ 386.2078, 0.2799,
0.2922

■ 35.3204, 0.2420,
0.2503

■ 90.0014, 0.2600,
0.2703

■ 23.9098, 0.2329,
0.2404

■ 116.3261, 0.2642,
0.2749

■ 15.2667, 0.2214,
0.2278

■ 147.3403, 0.2678,
0.2788

■ 9.0068, 0.2061,
0.2112

■ 183.4284, 0.2708,
0.2822

■ 4.7456, 0.1853,
0.1887

■ 224.9748, 0.2735,
0.2852

■ 2.0988, 0.1557,
0.1569

■ 272.3639, 0.2759,

■ 0.6639, 0.1112,

0.2878

0.1086

325.9801, 0.2780,
0.2901

0.0000, 0.0000,
0.0000

49.8829, 0.2492,
0.2583

49.8829, 0.2492,
0.2583

41.5073, 0.2317,
0.2355

59.4492, 0.2668,
0.2795

34.2646, 0.2148,
0.2117

70.2491, 0.2839,
0.2989

28.1000, 0.1994,
0.1875

82.3301, 0.3002,
0.3163

22.9509, 0.1859,
0.1638

95.7352, 0.3156,
0.3319

18.7464, 0.1752,
0.1416

99.4973, 0.3173,
0.3366

■ 15.3965, 0.1675,
0.1218

■ 14.8272, 0.1662,
0.1182

Harmonies

Analogous

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



49.8829, 0.2323, 0.2734



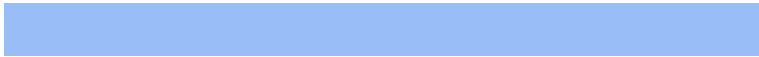
49.8829, 0.2492, 0.2583



49.8829, 0.2830, 0.2606

Triad

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



49.8829, 0.2492, 0.2583



49.8829, 0.3974, 0.3426



49.8829, 0.2939, 0.3889

Complementary

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



49.8829, 0.2492, 0.2583



68.6810, 0.3832, 0.3904

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.



49.8829, 0.3381, 0.4089



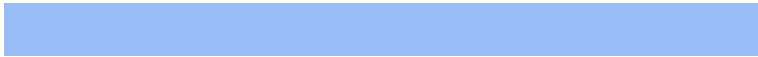
49.8829, 0.2492, 0.2583



49.8829, 0.3996, 0.3773

Square

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



49.8829, 0.2492, 0.2583



49.8829, 0.3702, 0.3074



49.8829, 0.3771, 0.4028



49.8829, 0.2565, 0.3490

Rectangle

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



49.8829, 0.2492, 0.2583



49.8829, 0.3120, 0.2709



49.8829, 0.3771, 0.4028



49.8829, 0.3084, 0.3984

Sweetspot

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



49.8848, 0.2492, 0.2583



84.5115, 0.2955, 0.3114



78.0147, 0.2772, 0.3719



17.7059, 0.2933, 0.3091



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.



49.8848, 0.2492, 0.2583



46.3052, 0.2351, 0.2402



37.3875, 0.2502, 0.2151



16.9668, 0.2980, 0.3140



8.0931, 0.1670, 0.1212



0.9036, 0.1739, 0.1460

Inverse Universe

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



46.2351, 0.3704, 0.2905



42.7538, 0.3886, 0.2826



86.6833, 0.3622, 0.4264



16.5875, 0.3233, 0.3200



10.9164, 0.5449, 0.2775



0.9789, 0.5111, 0.2589

Previews

White Background



This preview shows how the Yxy color 49.8829, 0.2492, 0.2583 looks on a white background.

Color Contrast Check

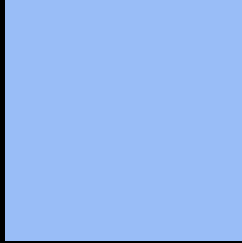
Large Text (above 18pt) WCAG AA × Fail

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 49.8829, 0.2492, 0.2583 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

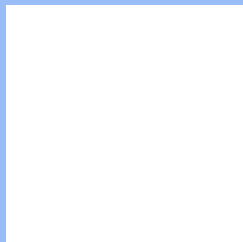
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8829, 0.2492, 0.2583

Background



This preview shows how black text looks on a background with the Yxy color 49.8829, 0.2492, 0.2583.



This preview shows how white text looks on a background with the Yxy color 49.8829, 0.2492, 0.2583.

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

49.8829, 0.2492, 0.2583

Protanopia

49.8875, 0.2616, 0.2586

Deuteranopia

49.7162, 0.2592, 0.2532



Tritanopia

50.1123, 0.2652, 0.3091

Trichromacy



Original Color

49.8829, 0.2492, 0.2583

Protanomaly

49.6029, 0.2566, 0.2579

Deuteranomaly

49.7876, 0.2549, 0.2548

Tritanomaly

49.7248, 0.2590, 0.2890

Monochromacy



Original Color

49.8829, 0.2492, 0.2583

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.5561, 0.2862, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8829, 0.2492, 0.2583 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(153, 189, 247)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 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(153, 189, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 247) }
```

Border

The CSS property to change the border of an element to Yxy 49.8829, 0.2492, 0.2583 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(153, 189, 247) }
```

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

```
.border{ border-color:rgb(153, 189, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 247);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8829, 0.2492, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 247) }
```

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

```
.background{ background-color: rgb(153,  
189, 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](#).

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