

Converting Colors

$Yxy(47.6788, 0.2433, 0.2501)$

Have a look what the booklet for
Yxy(47.6788, 0.2433, 0.2501)
contains.

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Color

Yxy(47.6485, 0.2433, 0.2503)

Conversions

Conversions Part 1

Format	Color
Hex	92B9F9
RGB	146, 185, 249
RGB Percent	57%, 73%, 98%
CMY	0.4271, 0.2746, 0.0234
CMYK	0.41, 0.26, 0.00, 0.02
HSL	217°, 90%, 77%
HSV	217°, 41%, 98%
XYZ	46.3159, 47.6485, 96.4011
YIQ	180.6350, -43.7880, 11.6360

Conversions

Conversions Part 2

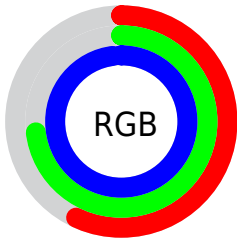
Format	Color
RYB	146, 174, 249
Decimal	9615865
CIELab	74.60, 2.93, -35.83
CIElCh	75, 35.954, 274.676
Yxy	47.6485, 0.2433, 0.2503
Android (android.graphics.Color)	4287805945 (0xFF92B9F9)
YUV	180.6350, 33.7039, -30.3749
Hunter-Lab	69.0279, -1.0299, -34.4821

Details

The Yxy color **47.6485, 0.2433, 0.2503** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.3813, 0.3902, 0.3962**, and the grayscale version is **45.8433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8271, 0.2812, 0.3142**, and **22.4820, 0.2254, 0.2306** is the 20% darker color. If you saturate the color by 10%, you get **39.4773, 0.2259, 0.2269**, and if you desaturate by 10%, it is **57.0268, 0.2610, 0.2723**.

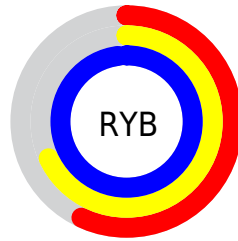
Distribution



Red (57%)

Green (73%)

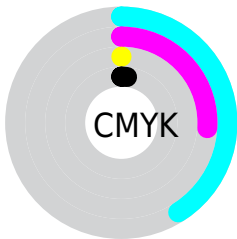
Blue (98%)



Red (57%)

Yellow (68%)

Blue (98%)

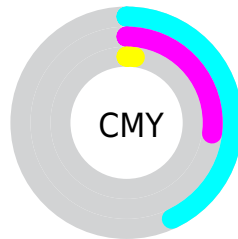


Cyan (41%)

Magenta (26%)

Yellow (0%)

Black (2%)



Cyan (43%)

Magenta (27%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6485, 0.2433, 0.2503 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 47.6485, 0.2433, 0.2503 by changing the saturation by 10% instead.

■ 47.6485, 0.2433,
0.2503

■ 47.6485, 0.2433,
0.2503

377.3972, 0.2769,
0.2881

■ 33.5486, 0.2353,
0.2414

■ 86.6808, 0.2552,
0.2636

■ 22.5470, 0.2254,
0.2304

■ 112.3821, 0.2598,
0.2687

■ 14.2594, 0.2127,
0.2164

142.7192, 0.2637,
0.2731

■ 8.3013, 0.1960,
0.1982

178.0766, 0.2671,
0.2769

■ 4.2884, 0.1734,
0.1736

218.8387, 0.2700,
0.2803

■ 1.8361, 0.1416,
0.1395

265.3899, 0.2726,

■ 0.5095, 0.0925,

0.2832

0.0848

318.1146, 0.2749,
0.2858

0.0000, 0.0000,
0.0000

47.6485, 0.2433,
0.2503

47.6485, 0.2433,
0.2503

39.4773, 0.2259,
0.2269

57.0268, 0.2610,
0.2723

32.4527, 0.2093,
0.2027

67.6580, 0.2783,
0.2924

26.5163, 0.1944,
0.1784

79.5918, 0.2950,
0.3107

21.6011, 0.1817,
0.1549

92.8735, 0.3107,
0.3270

17.6300, 0.1720,
0.1333

99.6213, 0.3162,
0.3347

■ 14.8635, 0.1658,
0.1167

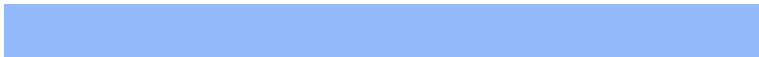
Harmonies

Analogous

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



47.6485, 0.2240, 0.2658



47.6485, 0.2433, 0.2503



47.6485, 0.2812, 0.2539

Triad

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



47.6485, 0.2433, 0.2503



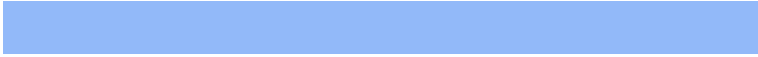
47.6485, 0.4083, 0.3451



47.6485, 0.2894, 0.3952

Complementary

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



47.6485, 0.2433, 0.2503



68.3813, 0.3902, 0.3962

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.



47.6485, 0.3386, 0.4186



47.6485, 0.2433, 0.2503



47.6485, 0.4092, 0.3834

Square

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



47.6485, 0.2433, 0.2503



47.6485, 0.3788, 0.3062



47.6485, 0.3828, 0.4119



47.6485, 0.2487, 0.3492

Rectangle

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



47.6485, 0.2433, 0.2503



47.6485, 0.3137, 0.2656



47.6485, 0.3828, 0.4119



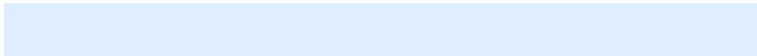
47.6485, 0.3055, 0.4063

Sweetspot

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



47.6503, 0.2433, 0.2503



83.1003, 0.2939, 0.3095



78.5195, 0.2747, 0.3763



17.4199, 0.2917, 0.3072



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.



47.6503, 0.2433, 0.2503



42.6940, 0.2281, 0.2300



34.7039, 0.2437, 0.2037



17.7177, 0.2979, 0.3138



8.2058, 0.1666, 0.1196



0.9568, 0.1731, 0.1432

Inverse Universe

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



44.2309, 0.3781, 0.2877



39.6900, 0.3994, 0.2796



87.8548, 0.3661, 0.4346



17.3337, 0.3234, 0.3201



11.2393, 0.5471, 0.2788



1.0608, 0.5148, 0.2610

Previews

White Background



This preview shows how the Yxy color 47.6485, 0.2433, 0.2503 looks on a white background.

Color Contrast Check

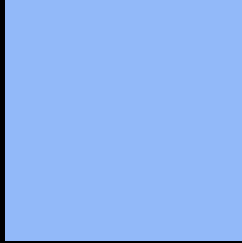
Large Text (above 18pt) WCAG AA × Fail

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 47.6485, 0.2433, 0.2503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

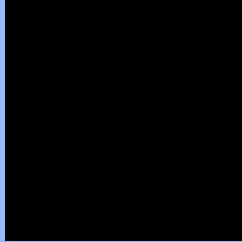
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

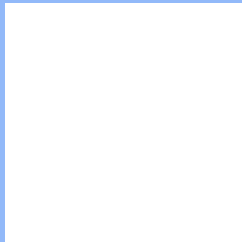
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6485, 0.2433, 0.2503

Background



This preview shows how black text looks on a background with the Yxy color 47.6485, 0.2433, 0.2503.



This preview shows how white text looks on a background with the Yxy color 47.6485, 0.2433, 0.2503.

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

47.6485, 0.2433, 0.2503

Protanopia

47.7009, 0.2559, 0.2508

Deuteranopia

47.7364, 0.2524, 0.2464



Tritanopia

47.8449, 0.2608, 0.3085

Trichromacy



Original Color

47.6485, 0.2433, 0.2503

Protanomaly

47.4404, 0.2510, 0.2501

Deuteranomaly

47.5261, 0.2488, 0.2469

Tritanomaly

47.6436, 0.2541, 0.2856

Monochromacy



Original Color

47.6485, 0.2433, 0.2503

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2370, 0.2835, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6485, 0.2433, 0.2503 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(146, 185, 249)` looks like.

```
.text, #text, p{  
    color:rgb(146, 185, 249)  
}
```

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(146, 185, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 185, 249) }
```

Border

The CSS property to change the border of an element to Yxy 47.6485, 0.2433, 0.2503 is called "border". The border property can be set on classes, ids or directly on the HTML element.

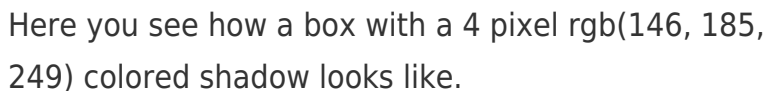
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 185, 249) }
```

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

```
.border{ border-color:rgb(146, 185, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 185, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 185, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 185, 249); box-shadow:4px 4px 4px 4px rgb(146, 185, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6485, 0.2433, 0.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 185, 249) }
```

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

```
.background{ background-color: rgb(146,  
185, 249) }
```

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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