

Converting Colors

$Y_{xy}(46.8200, 0.2306, 0.2432)$

Have a look what the booklet for
Yxy(46.8200, 0.2306, 0.2432)
contains.

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Color

Yxy(46.8498, 0.2304, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	7FBAFF
RGB	127, 186, 255
RGB Percent	50%, 73%, 100%
CMY	0.5020, 0.2706, 0.0000
CMYK	0.50, 0.27, 0.00, 0.00
HSL	212°, 100%, 75%
HSV	212°, 50%, 100%
XYZ	44.3658, 46.8498, 101.3442
YIQ	176.2250, -57.3130, 8.9510

Conversions

Conversions Part 2

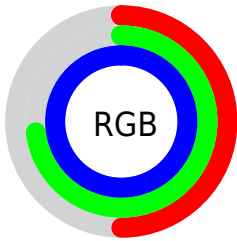
Format	Color
RYB	127, 167, 255
Decimal	8370943
CIELab	74.09, -0.48, -39.94
CIELCh	74, 39.942, 269.317
Yxy	46.8498, 0.2304, 0.2433
Android (android.graphics.Color)	4286561023 (0xFF7FBAFF)
YUV	176.2250, 38.8361, -43.1703
Hunter-Lab	68.4469, -4.0823, -39.8734

Details

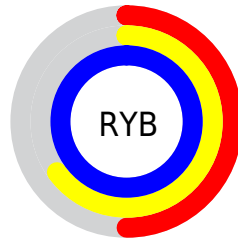
The Yxy color **46.8498, 0.2304, 0.2433** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2745, 0.4161, 0.3998**, and the grayscale version is **43.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0385, 0.2712, 0.3148**, and **22.0105, 0.2095, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **39.6164, 0.2149, 0.2224**, and if you desaturate by 10%, it is **55.1343, 0.2469, 0.2634**.

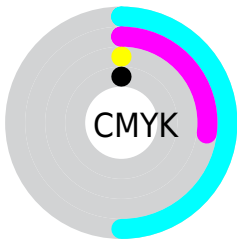
Distribution



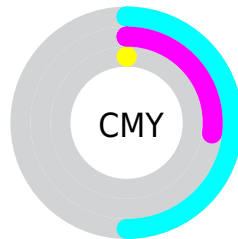
- Red (50%)
- Green (73%)
- Blue (100%)



- Red (50%)
- Yellow (65%)
- Blue (100%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8498, 0.2304, 0.2433 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 46.8498, 0.2304, 0.2433 by changing the saturation by 10% instead.

■ 46.8498, 0.2304,
0.2433

■ 46.8498, 0.2304,
0.2433

■ 374.2147, 0.2700,
0.2846

■ 32.9169, 0.2212,
0.2337

■ 85.4894, 0.2443,
0.2578

■ 22.0628, 0.2097,
0.2217

■ 110.9649, 0.2497,
0.2634

■ 13.9031, 0.1953,
0.2066

■ 141.0567, 0.2543,
0.2682

■ 8.0533, 0.1765,
0.1869

■ 176.1493, 0.2583,
0.2724

■ 4.1291, 0.1516,
0.1608

■ 216.6270, 0.2618,
0.2760

■ 1.7460, 0.1179,
0.1254

■ 262.8741, 0.2648,

■ 0.4532, 0.0643,

0.2792

0.0695

315.2753, 0.2675,
0.2820

0.0000, 0.0000,
0.0000

46.8498, 0.2304,
0.2433

46.8498, 0.2304,
0.2433

39.6164, 0.2149,
0.2224

55.1343, 0.2469,
0.2634

33.3826, 0.2008,
0.2011

64.5213, 0.2638,
0.2821

28.0876, 0.1889,
0.1800

75.0557, 0.2805,
0.2993

23.6620, 0.1795,
0.1599

86.7801, 0.2968,
0.3148

20.0668, 0.1727,
0.1416

99.7348, 0.3124,
0.3287

100.0000, 0.3127,
0.3290

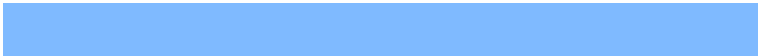
Harmonies

Analogous

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



46.8498, 0.2133, 0.2638



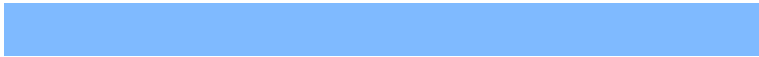
46.8498, 0.2304, 0.2433



46.8498, 0.2687, 0.2440

Triad

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



46.8498, 0.2304, 0.2433



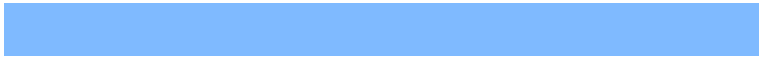
46.8498, 0.4159, 0.3382



46.8498, 0.2958, 0.4109

Complementary

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



46.8498, 0.2304, 0.2433



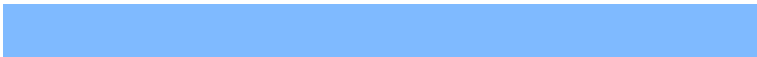
62.2745, 0.4161, 0.3998

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.



46.8498, 0.3505, 0.4306



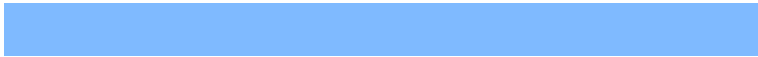
46.8498, 0.2304, 0.2433



46.8498, 0.4225, 0.3813

Square

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



46.8498, 0.2304, 0.2433



46.8498, 0.3779, 0.2964



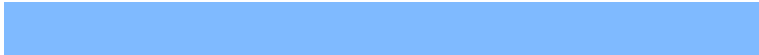
46.8498, 0.3974, 0.4166



46.8498, 0.2482, 0.3616

Rectangle

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



46.8498, 0.2304, 0.2433



46.8498, 0.3034, 0.2548



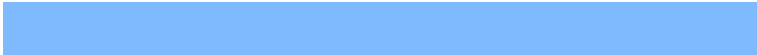
46.8498, 0.3974, 0.4166



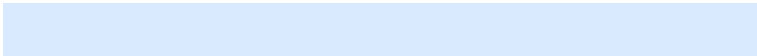
46.8498, 0.3139, 0.4214

Sweetspot

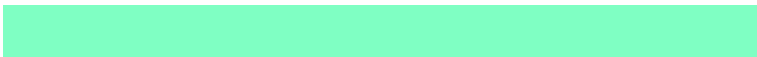
The Sweet Spot groups the original color and five complimentary colors.



46.8490, 0.2304, 0.2433



80.9955, 0.2891, 0.3076



79.9845, 0.2737, 0.4025



16.8121, 0.2856, 0.3043



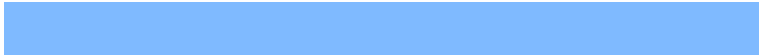
0.0000, 0.0000, 0.0000



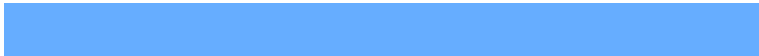
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8490, 0.2304, 0.2433



39.7477, 0.2152, 0.2228



27.2462, 0.2186, 0.1700



18.7574, 0.2979, 0.3158



10.7765, 0.1735, 0.1446



1.2649, 0.1795, 0.1661

Inverse Universe

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



39.9845, 0.3877, 0.2687



33.7613, 0.4107, 0.2592



93.5121, 0.3835, 0.4523



18.1264, 0.3222, 0.3181



11.8159, 0.5130, 0.2600



1.1722, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 46.8498, 0.2304, 0.2433 looks on a white background.

Color Contrast Check

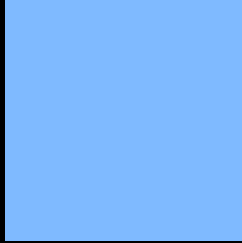
Large Text (above 18pt) WCAG AA × Fail

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 46.8498, 0.2304, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

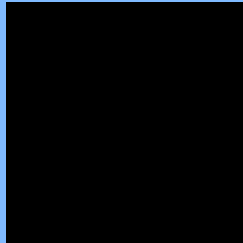
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

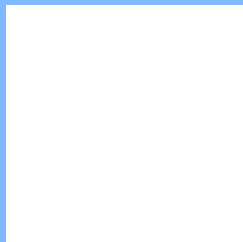
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8498, 0.2304, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 46.8498, 0.2304, 0.2433.



This preview shows how white text looks on a background with the Yxy color 46.8498, 0.2304, 0.2433.

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

46.8498, 0.2304, 0.2433

Protanopia

46.5533, 0.2507, 0.2446

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

46.6815, 0.2469, 0.3065

Trichromacy



Original Color

46.8498, 0.2304, 0.2433

Protanomaly

46.7168, 0.2428, 0.2447

Deuteranomaly

46.6956, 0.2391, 0.2403

Tritanomaly

46.5345, 0.2405, 0.2819

Monochromacy



Original Color

46.8498, 0.2304, 0.2433

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3194, 0.2765, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8498, 0.2304, 0.2433 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(127, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 186, 255)  
}
```

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(127, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8498, 0.2304, 0.2433 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(127, 186, 255) }
```

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

```
.border{ border-color:rgb(127, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8498, 0.2304, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 186, 255) }
```

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

```
.background{ background-color: rgb(127,  
186, 255) }
```

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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