

Converting Colors

$Yxy(46.9306, 0.2307, 0.2435)$

Have a look what the booklet for
Yxy(46.9306, 0.2307, 0.2435)
contains.

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Color

Yxy(46.9270, 0.2309, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	80BAFF
RGB	128, 186, 255
RGB Percent	50%, 73%, 100%
CMY	0.4983, 0.2705, 0.0001
CMYK	0.50, 0.27, 0.00, 0.00
HSL	213°, 100%, 75%
HSV	213°, 50%, 100%
XYZ	44.4987, 46.9270, 101.2929
YIQ	176.5240, -56.7170, 9.1630

Conversions

Conversions Part 2

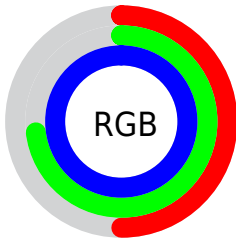
Format	Color
RYB	128, 168, 255
Decimal	8436479
CIELab	74.14, -0.30, -39.82
CIELCh	74, 39.822, 269.565
Yxy	46.9270, 0.2309, 0.2435
Android (android.graphics.Color)	4286626559 (0xFF80BAFF)
YUV	176.5240, 38.6887, -42.5555
Hunter-Lab	68.5033, -3.9297, -39.7173

Details

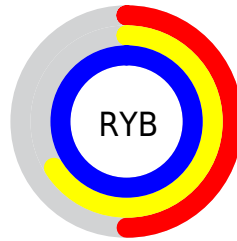
The Yxy color **46.9270, 0.2309, 0.2435** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.6894, 0.4149, 0.3998**, and the grayscale version is **43.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1634, 0.2717, 0.3148**, and **22.0812, 0.2104, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **39.6430, 0.2153, 0.2224**, and if you desaturate by 10%, it is **55.2757, 0.2475, 0.2636**.

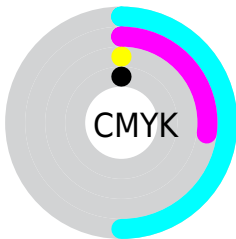
Distribution



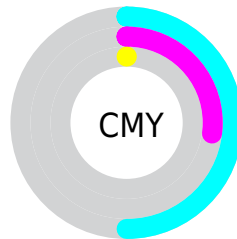
- Red (50%)
- Green (73%)
- Blue (100%)



- Red (50%)
- Yellow (66%)
- 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 46.9270, 0.2309, 0.2435 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 46.9270, 0.2309, 0.2435 by changing the saturation by 10% instead.

■ 46.9270, 0.2309,
0.2435

■ 46.9270, 0.2309,
0.2435

374.5231, 0.2702,
0.2847

■ 32.9779, 0.2217,
0.2339

■ 85.6046, 0.2447,
0.2580

■ 22.1096, 0.2103,
0.2220

■ 111.1020, 0.2501,
0.2636

■ 13.9374, 0.1959,
0.2069

■ 141.2177, 0.2546,
0.2684

■ 8.0772, 0.1773,
0.1873

176.3359, 0.2586,
0.2725

■ 4.1444, 0.1524,
0.1612

216.8412, 0.2621,
0.2761

■ 1.7546, 0.1188,
0.1259

263.1179, 0.2651,

■ 0.4587, 0.0657,

0.2793

0.0703

315.5504, 0.2678,
0.2821

0.0000, 0.0000,
0.0000

46.9270, 0.2309,
0.2435

46.9270, 0.2309,
0.2435

39.6430, 0.2153,
0.2224

55.2757, 0.2475,
0.2636

33.3647, 0.2011,
0.2010

64.7332, 0.2643,
0.2824

28.0336, 0.1890,
0.1798

75.3472, 0.2811,
0.2997

23.5804, 0.1795,
0.1595

87.1603, 0.2974,
0.3153

19.9038, 0.1725,
0.1407

99.9980, 0.3127,
0.3290

■ 19.8443, 0.1723,
0.1404

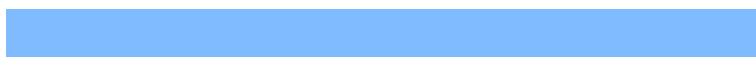
Harmonies

Analogous

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



46.9270, 0.2136, 0.2637



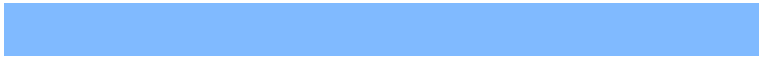
46.9270, 0.2309, 0.2435



46.9270, 0.2692, 0.2443

Triad

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



46.9270, 0.2309, 0.2435



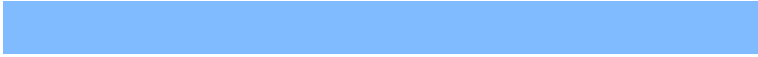
46.9270, 0.4157, 0.3385



46.9270, 0.2954, 0.4102

Complementary

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



46.9270, 0.2309, 0.2435



62.6894, 0.4149, 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.



46.9270, 0.3499, 0.4302



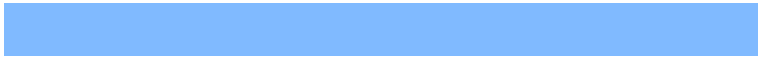
46.9270, 0.2309, 0.2435



46.9270, 0.4221, 0.3815

Square

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



46.9270, 0.2309, 0.2435



46.9270, 0.3781, 0.2968



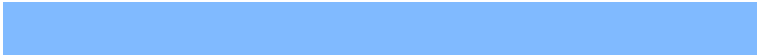
46.9270, 0.3968, 0.4165



46.9270, 0.2481, 0.3611

Rectangle

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



46.9270, 0.2309, 0.2435



46.9270, 0.3039, 0.2553



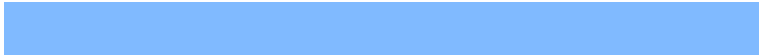
46.9270, 0.3968, 0.4165



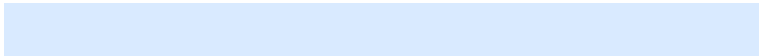
46.9270, 0.3135, 0.4209

Sweetspot

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



46.9287, 0.2309, 0.2435



80.9158, 0.2891, 0.3074



80.0553, 0.2739, 0.4018



16.7930, 0.2856, 0.3041



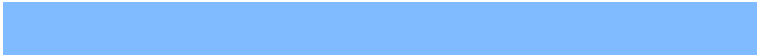
0.0000, 0.0000, 0.0000



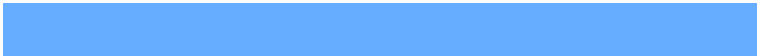
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9287, 0.2309, 0.2435



39.5346, 0.2150, 0.2221



27.5581, 0.2194, 0.1713



18.7462, 0.2979, 0.3158



10.6621, 0.1732, 0.1434



1.2534, 0.1792, 0.1650

Inverse Universe

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



40.2211, 0.3874, 0.2696



33.7398, 0.4114, 0.2598



93.5167, 0.3830, 0.4515



18.1252, 0.3222, 0.3182



11.8043, 0.5146, 0.2608



1.1711, 0.4869, 0.2456

Previews

White Background



This preview shows how the Yxy color 46.9270, 0.2309, 0.2435 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 46.9270, 0.2309, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

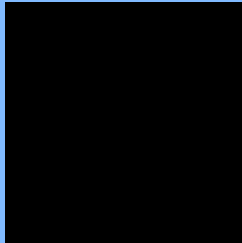
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

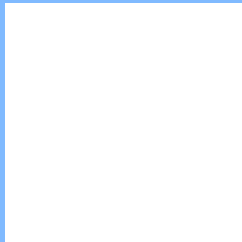
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9270, 0.2309, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 46.9270, 0.2309, 0.2435.



This preview shows how white text looks on a background with the Yxy color 46.9270, 0.2309, 0.2435.

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

46.9270, 0.2309, 0.2435

Protanopia

46.7194, 0.2507, 0.2437

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

46.7474, 0.2475, 0.3066

Trichromacy



Original Color

46.9270, 0.2309, 0.2435

Protanomaly

46.8737, 0.2429, 0.2438

Deuteranomaly

46.6956, 0.2391, 0.2403

Tritanomaly

46.6041, 0.2410, 0.2820

Monochromacy



Original Color

46.9270, 0.2309, 0.2435

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4212, 0.2772, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9270, 0.2309, 0.2435 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(128, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9270, 0.2309, 0.2435 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(128, 186, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9270, 0.2309, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 186, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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