

Converting Colors

$Yxy(47.0950, 0.2324, 0.2436)$

Have a look what the booklet for
Yxy(47.0950, 0.2324, 0.2436)
contains.

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Color

Yxy(47.1631, 0.2324, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	83BAFF
RGB	131, 186, 255
RGB Percent	51%, 73%, 100%
CMY	0.4866, 0.2705, 0.0001
CMYK	0.49, 0.27, 0.00, 0.00
HSL	213°, 100%, 76%
HSV	213°, 49%, 100%
XYZ	44.9578, 47.1631, 101.3291
YIQ	177.4210, -54.9290, 9.7990

Conversions

Conversions Part 2

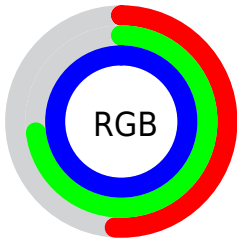
Format	Color
R _Y B	131, 169, 255
Decimal	8633087
CIE Lab	74.29, 0.38, -39.58
CIE LCh	74, 39.586, 270.547
Yxy	47.1631, 0.2324, 0.2438
Android (android.graphics.Color)	4286823167 (0xFF83BAFF)
YUV	177.4210, 38.2464, -40.7112
Hunter-Lab	68.6754, -3.3284, -39.4084

Details

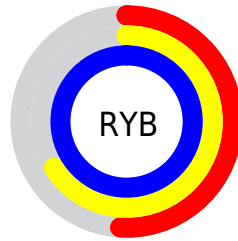
The Yxy color **47.1631, 0.2324, 0.2438** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.1519, 0.4110, 0.3998**, and the grayscale version is **44.0088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5431, 0.2734, 0.3149**, and **22.2300, 0.2124, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **39.6946, 0.2164, 0.2223**, and if you desaturate by 10%, it is **55.7283, 0.2492, 0.2643**.

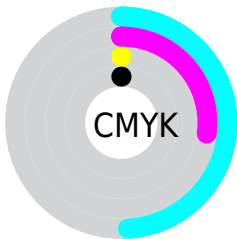
Distribution



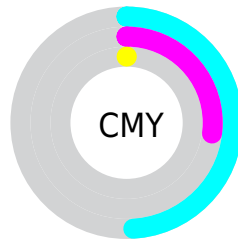
- Red (51%)
- Green (73%)
- Blue (100%)



- Red (51%)
- Yellow (66%)
- Blue (100%)



- Cyan (49%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1631, 0.2324, 0.2438 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 47.1631, 0.2324, 0.2438 by changing the saturation by 10% instead.

47.1631, 0.2324,
0.2438

47.1631, 0.2324,
0.2438

375.4652, 0.2710,
0.2847

33.1646, 0.2234,
0.2343

85.9570, 0.2460,
0.2582

22.2526, 0.2122,
0.2224

111.5213, 0.2512,
0.2638

14.0426, 0.1980,
0.2074

141.7095, 0.2557,
0.2685

8.1503, 0.1796,
0.1880

176.9062, 0.2596,
0.2726

4.1913, 0.1551,
0.1621

217.4957, 0.2630,
0.2762

1.7811, 0.1218,
0.1270

263.8625, 0.2660,

0.4754, 0.0701,

0.2794

0.0722

316.3908, 0.2687,
0.2822

0.0000, 0.0000,
0.0000

47.1631, 0.2324,
0.2438

47.1631, 0.2324,
0.2438

39.6946, 0.2164,
0.2223

55.7283, 0.2492,
0.2643

33.2631, 0.2019,
0.2003

65.4353, 0.2662,
0.2834

27.8096, 0.1894,
0.1786

76.3321, 0.2830,
0.3009

23.2647, 0.1794,
0.1578

88.4624, 0.2993,
0.3167

19.5363, 0.1721,
0.1387

99.9991, 0.3127,
0.3290

■ 19.0828, 0.1712,
0.1362

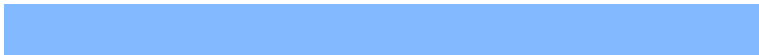
Harmonies

Analogous

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



47.1631, 0.2145, 0.2632



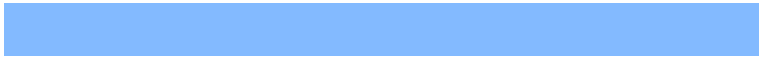
47.1631, 0.2324, 0.2438



47.1631, 0.2711, 0.2452

Triad

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



47.1631, 0.2324, 0.2438



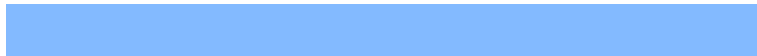
47.1631, 0.4157, 0.3399



47.1631, 0.2939, 0.4083

Complementary

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



47.1631, 0.2324, 0.2438



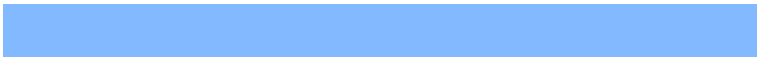
64.1519, 0.4110, 0.3998

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.



47.1631, 0.3480, 0.4293



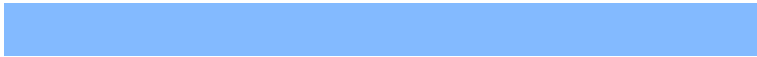
47.1631, 0.2324, 0.2438



47.1631, 0.4209, 0.3825

Square

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



47.1631, 0.2324, 0.2438



47.1631, 0.3792, 0.2983



47.1631, 0.3950, 0.4168



47.1631, 0.2473, 0.3590

Rectangle

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



47.1631, 0.2324, 0.2438



47.1631, 0.3058, 0.2565



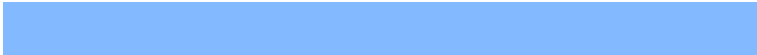
47.1631, 0.3950, 0.4168



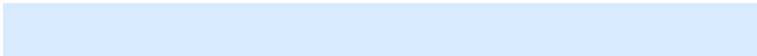
47.1631, 0.3118, 0.4192

Sweetspot

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



47.1648, 0.2324, 0.2438



80.6293, 0.2890, 0.3069



80.4614, 0.2736, 0.3971



16.7242, 0.2856, 0.3035



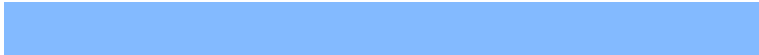
0.0000, 0.0000, 0.0000



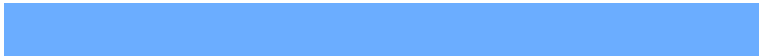
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1648, 0.2324, 0.2438



40.1557, 0.2174, 0.2237



28.7607, 0.2232, 0.1759



18.7056, 0.2979, 0.3154



10.2592, 0.1720, 0.1392



1.2127, 0.1781, 0.1610

Inverse Universe

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



41.0158, 0.3867, 0.2725



34.8050, 0.4089, 0.2634



93.2478, 0.3802, 0.4497



18.1211, 0.3224, 0.3185



11.7636, 0.5201, 0.2639



1.1670, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 47.1631, 0.2324, 0.2438 looks on a white background.

Color Contrast Check

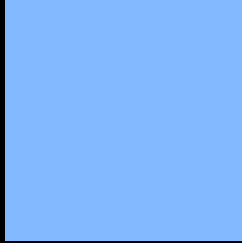
Large Text (above 18pt) WCAG AA × Fail

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 47.1631, 0.2324, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

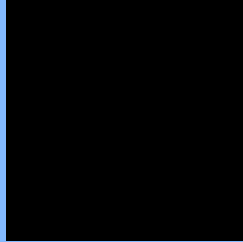
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

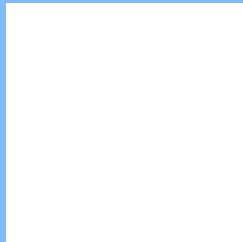
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1631, 0.2324, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 47.1631, 0.2324, 0.2438.



This preview shows how white text looks on a background with the Yxy color 47.1631, 0.2324, 0.2438.

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

47.1631, 0.2324, 0.2438

Protanopia

47.1217, 0.2509, 0.2449

Deuteranopia

46.9304, 0.2451, 0.2393



Tritanopia

47.0186, 0.2496, 0.3067

Trichromacy



Original Color

47.1631, 0.2324, 0.2438

Protanomaly

46.9682, 0.2435, 0.2439

Deuteranomaly

46.8789, 0.2402, 0.2406

Tritanomaly

46.8902, 0.2431, 0.2822

Monochromacy



Original Color

47.1631, 0.2324, 0.2438

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5239, 0.2780, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1631, 0.2324, 0.2438 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(131, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1631, 0.2324, 0.2438 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(131, 186, 255) }
```

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

```
.border{ border-color:rgb(131, 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(131, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1631, 0.2324, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 186, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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