

Converting Colors

$Yxy(47.0342, 0.2261, 0.2319)$

Have a look what the booklet for
Yxy(47.0342, 0.2261, 0.2319)
contains.

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Color

Yxy(46.5071, 0.2307, 0.2422)

Conversions

Conversions Part 1

Format	Color
Hex	80B9FF
RGB	128, 185, 255
RGB Percent	50%, 73%, 100%
CMY	0.4979, 0.2745, 0.0002
CMYK	0.50, 0.27, 0.00, 0.00
HSL	213°, 100%, 75%
HSV	213°, 50%, 100%
XYZ	44.2989, 46.5071, 101.2134
YIQ	175.9370, -56.4420, 9.6860

Conversions

Conversions Part 2

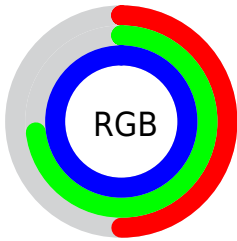
Format	Color
R_{YB}	128, 167, 255
Decimal	8436223
CIE _{Lab}	73.87, 0.28, -40.24
CIE _{LCh}	74, 40.236, 270.396
Yxy	46.5071, 0.2307, 0.2422
Android (android.graphics.Color)	4286626303 (0xFF80B9FF)
YUV	175.9370, 38.9781, -42.0407
Hunter-Lab	68.1961, -3.3931, -40.2581

Details

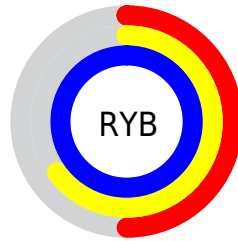
The Yxy color **46.5071, 0.2307, 0.2422** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.1953, 0.4142, 0.4007**, and the grayscale version is **43.2010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5697, 0.2716, 0.3137**, and **21.8087, 0.2100, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **39.1812, 0.2149, 0.2208**, and if you desaturate by 10%, it is **54.9141, 0.2474, 0.2626**.

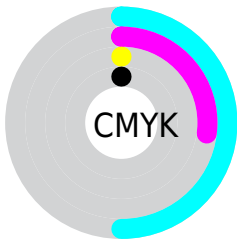
Distribution



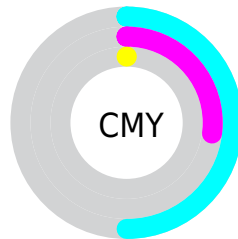
- Red (50%)
- Green (73%)
- Blue (100%)



- 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 46.5071, 0.2307, 0.2422 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 46.5071, 0.2307, 0.2422 by changing the saturation by 10% instead.

■ 46.5071, 0.2307,
0.2422

■ 46.5071, 0.2307,
0.2422

372.8436, 0.2702,
0.2840

■ 32.6462, 0.2215,
0.2325

■ 84.9774, 0.2446,
0.2569

■ 21.8555, 0.2100,
0.2204

■ 110.3556, 0.2500,
0.2626

■ 13.7508, 0.1955,
0.2051

■ 140.3416, 0.2546,
0.2674

■ 7.9475, 0.1768,
0.1852

175.3199, 0.2585,
0.2716

■ 4.0614, 0.1518,
0.1589

215.6749, 0.2620,
0.2753

■ 1.7080, 0.1180,
0.1233

261.7909, 0.2651,

■ 0.4288, 0.0640,

0.2785

0.0663

314.0523, 0.2678,
0.2814

■ 0.0000, 0.0000,
0.0000

■ 46.5071, 0.2307,
0.2422

■ 46.5071, 0.2307,
0.2422

■ 39.1812, 0.2149,
0.2208

■ 54.9141, 0.2474,
0.2626

■ 32.8768, 0.2007,
0.1990

■ 64.4473, 0.2643,
0.2818

■ 27.5344, 0.1885,
0.1775

■ 75.1548, 0.2812,
0.2993

■ 23.0841, 0.1788,
0.1570

■ 87.0802, 0.2975,
0.3151

■ 19.4237, 0.1717,
0.1381

■ 99.9973, 0.3127,
0.3290

■ 19.3504, 0.1716,
0.1377

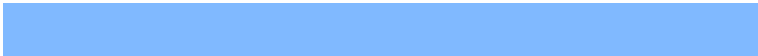
Harmonies

Analogous

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



46.5071, 0.2126, 0.2620



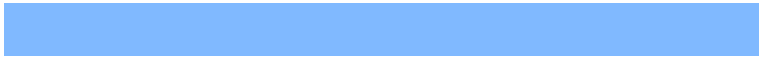
46.5071, 0.2307, 0.2422



46.5071, 0.2700, 0.2436

Triad

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



46.5071, 0.2307, 0.2422



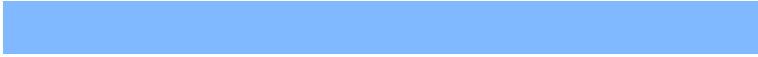
46.5071, 0.4178, 0.3398



46.5071, 0.2936, 0.4104

Complementary

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



46.5071, 0.2307, 0.2422



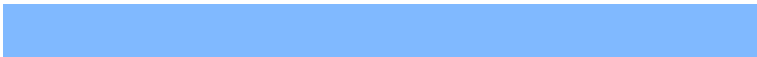
63.1953, 0.4142, 0.4007

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.



46.5071, 0.3488, 0.4316



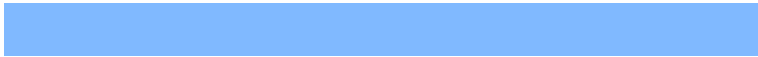
46.5071, 0.2307, 0.2422



46.5071, 0.4232, 0.3832

Square

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



46.5071, 0.2307, 0.2422



46.5071, 0.3803, 0.2975



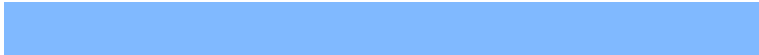
46.5071, 0.3968, 0.4184



46.5071, 0.2462, 0.3599

Rectangle

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



46.5071, 0.2307, 0.2422



46.5071, 0.3054, 0.2550



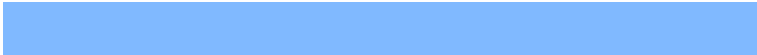
46.5071, 0.3968, 0.4184



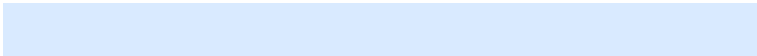
46.5071, 0.3119, 0.4215

Sweetspot

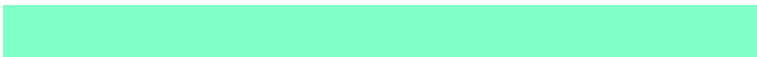
The Sweet Spot groups the original color and five complimentary colors.



46.5088, 0.2307, 0.2422



80.7325, 0.2890, 0.3071



80.1552, 0.2729, 0.3990



16.7489, 0.2856, 0.3037



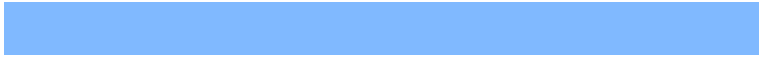
0.0000, 0.0000, 0.0000



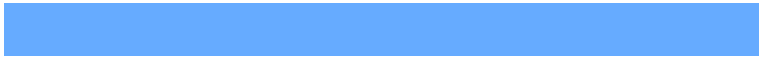
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5088, 0.2307, 0.2422



39.0470, 0.2146, 0.2203



27.7648, 0.2208, 0.1719



18.7202, 0.2979, 0.3155



10.4028, 0.1724, 0.1407



1.2272, 0.1785, 0.1624

Inverse Universe

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



40.2027, 0.3885, 0.2707



33.6905, 0.4131, 0.2610



93.1212, 0.3815, 0.4521



18.1226, 0.3223, 0.3184



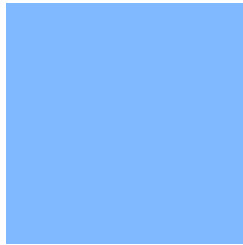
11.7781, 0.5181, 0.2628



1.1684, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 46.5071, 0.2307, 0.2422 looks on a white background.

Color Contrast Check

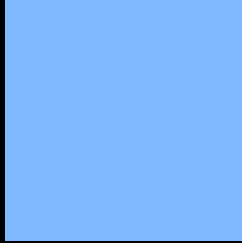
Large Text (above 18pt) WCAG AA × Fail

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 46.5071, 0.2307, 0.2422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

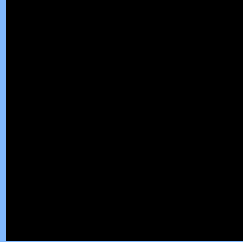
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

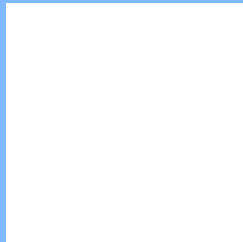
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5071, 0.2307, 0.2422

Background



This preview shows how black text looks on a background with the Yxy color 46.5071, 0.2307, 0.2422.



This preview shows how white text looks on a background with the Yxy color 46.5071, 0.2307, 0.2422.

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

46.5071, 0.2307, 0.2422

Protanopia

46.1138, 0.2493, 0.2422

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

46.6977, 0.2480, 0.3079

Trichromacy



Original Color

46.5071, 0.2307, 0.2422

Protanomaly

46.3719, 0.2421, 0.2424

Deuteranomaly

46.2875, 0.2388, 0.2390

Tritanomaly

46.6041, 0.2410, 0.2820

Monochromacy



Original Color

46.5071, 0.2307, 0.2422

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0189, 0.2771, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5071, 0.2307, 0.2422 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 185, 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, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.5071, 0.2307, 0.2422 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, 185, 255) }
```

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

```
.border{ border-color:rgb(128, 185, 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, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5071, 0.2307, 0.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 185, 255) }
```

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

```
.background{ background-color: rgb(128,  
185, 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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