

Converting Colors

$Y_{xy}(46.3988, 0.2327, 0.2412)$

Have a look what the booklet for
Yxy(46.3988, 0.2327, 0.2412)
contains.

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Color

Yxy(46.4875, 0.2330, 0.2414)

Conversions

Conversions Part 1

Format	Color
Hex	85B8FF
RGB	133, 184, 255
RGB Percent	52%, 72%, 100%
CMY	0.4782, 0.2785, 0.0000
CMYK	0.48, 0.28, 0.00, 0.00
HSL	215°, 100%, 76%
HSV	215°, 48%, 100%
XYZ	44.8699, 46.4875, 101.2172
YIQ	176.8450, -53.1870, 11.2690

Conversions

Conversions Part 2

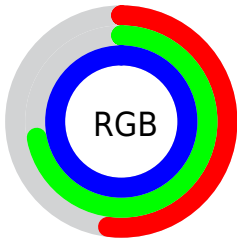
Format	Color
RYB	133, 169, 255
Decimal	8763647
CIELab	73.86, 1.99, -40.26
CIElCh	74, 40.309, 272.831
Yxy	46.4875, 0.2330, 0.2414
Android (android.graphics.Color)	4286953727 (0xFF85B8FF)
YUV	176.8450, 38.5304, -38.4521
Hunter-Lab	68.1817, -1.8486, -40.2900

Details

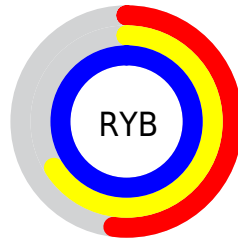
The Yxy color **46.4875, 0.2330, 0.2414** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1729, 0.4073, 0.4018**, and the grayscale version is **43.7027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6165, 0.2743, 0.3128**, and **21.7657, 0.2126, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **38.8097, 0.2166, 0.2189**, and if you desaturate by 10%, it is **55.3197, 0.2501, 0.2628**.

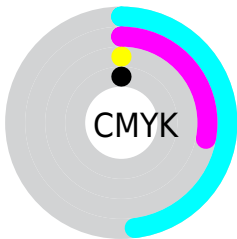
Distribution



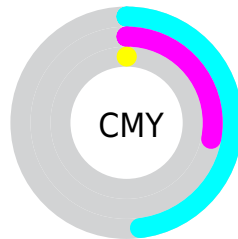
- Red (52%)
- Green (72%)
- Blue (100%)



- Red (52%)
- Yellow (66%)
- Blue (100%)



- Cyan (48%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4875, 0.2330, 0.2414 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 46.4875, 0.2330, 0.2414 by changing the saturation by 10% instead.

 46.4875, 0.2330,
0.2414

 46.4875, 0.2330,
0.2414


372.7651, 0.2715,
0.2834

 32.6307, 0.2240,
0.2316


 84.9481, 0.2466,
0.2562

 21.8437, 0.2128,
0.2195


 110.3207, 0.2518,
0.2619

 13.7421, 0.1986,
0.2042


 140.3007, 0.2563,
0.2668

 7.9415, 0.1802,
0.1844

175.2724, 0.2601,
0.2710

 4.0575, 0.1555,
0.1581

215.6204, 0.2635,
0.2747

 1.7058, 0.1220,
0.1226

261.7288, 0.2665,

 0.4274, 0.0699,

0.2779

0.0656

313.9823, 0.2691,
0.2808

0.0000, 0.0000,
0.0000

46.4875, 0.2330,
0.2414

46.4875, 0.2330,
0.2414

38.8097, 0.2166,
0.2189

55.3197, 0.2501,
0.2628

32.2248, 0.2015,
0.1960

65.3541, 0.2674,
0.2828

26.6713, 0.1885,
0.1733

76.6410, 0.2843,
0.3010

22.0773, 0.1780,
0.1518

89.2261, 0.3006,
0.3174

18.3531, 0.1704,
0.1321

100.0000, 0.3127,
0.3290

■ 17.6333, 0.1689,
0.1281

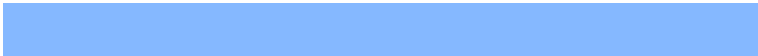
Harmonies

Analogous

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



46.4875, 0.2131, 0.2594



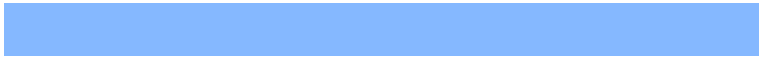
46.4875, 0.2330, 0.2414



46.4875, 0.2739, 0.2444

Triad

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



46.4875, 0.2330, 0.2414



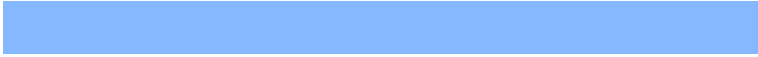
46.4875, 0.4197, 0.3434



46.4875, 0.2892, 0.4073

Complementary

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



46.4875, 0.2330, 0.2414



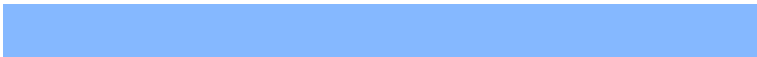
66.1729, 0.4073, 0.4018

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.



46.4875, 0.3445, 0.4314



46.4875, 0.2330, 0.2414



46.4875, 0.4223, 0.3866

Square

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



46.4875, 0.2330, 0.2414



46.4875, 0.3844, 0.3007



46.4875, 0.3937, 0.4206



46.4875, 0.2429, 0.3552

Rectangle

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



46.4875, 0.2330, 0.2414



46.4875, 0.3100, 0.2568



46.4875, 0.3937, 0.4206



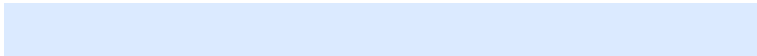
46.4875, 0.3074, 0.4193

Sweetspot

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



46.4890, 0.2330, 0.2414



81.2927, 0.2906, 0.3075



80.7832, 0.2731, 0.3931



16.8326, 0.2871, 0.3039



0.0000, 0.0000, 0.0000



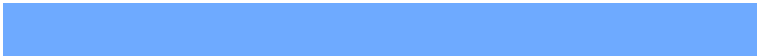
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4890, 0.2330, 0.2414



39.3973, 0.2179, 0.2208



29.6906, 0.2263, 0.1794



18.6244, 0.2979, 0.3148



9.4926, 0.1698, 0.1311



1.1342, 0.1759, 0.1533

Inverse Universe

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



41.5117, 0.3884, 0.2766



35.2524, 0.4112, 0.2681



92.9657, 0.3778, 0.4485



18.1129, 0.3228, 0.3191



11.6863, 0.5311, 0.2700



1.1590, 0.5017, 0.2537

Previews

White Background



This preview shows how the Yxy color 46.4875, 0.2330, 0.2414 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 46.4875, 0.2330, 0.2414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

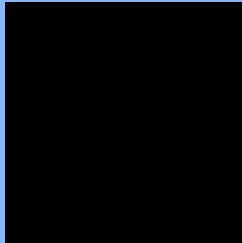
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

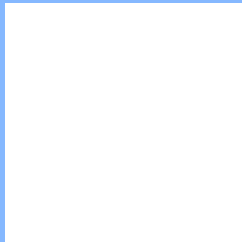
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4875, 0.2330, 0.2414

Background



This preview shows how black text looks on a background with the Yxy color 46.4875, 0.2330, 0.2414.



This preview shows how white text looks on a background with the Yxy color 46.4875, 0.2330, 0.2414.

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

46.4875, 0.2330, 0.2414

Protanopia

46.1768, 0.2488, 0.2412

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

46.6159, 0.2515, 0.3080

Trichromacy



Original Color

46.4875, 0.2330, 0.2414

Protanomaly

46.1548, 0.2431, 0.2414

Deuteranomaly

46.3787, 0.2394, 0.2392

Tritanomaly

46.5482, 0.2444, 0.2822

Monochromacy



Original Color

46.4875, 0.2330, 0.2414

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6274, 0.2787, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4875, 0.2330, 0.2414 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(133, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 184, 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(133, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.4875, 0.2330, 0.2414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

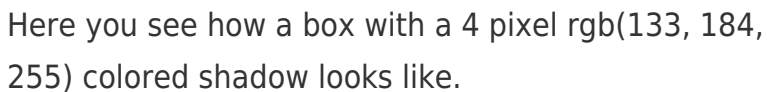
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 184, 255) }
```

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

```
.border{ border-color:rgb(133, 184, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4875, 0.2330, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 184, 255) }
```

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

```
.background{ background-color: rgb(133,  
184, 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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