

Converting Colors

$Y_{xy}(46.5807, 0.2476, 0.2374)$

Have a look what the booklet for
Yxy(46.5807, 0.2476, 0.2374)
contains.

Yxy(46.6379, 0.2479, 0.2375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6379, 0.2479, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	A1B2FF
RGB	161, 178, 255
RGB Percent	63%, 70%, 100%
CMY	0.3683, 0.3020, 0.0000
CMYK	0.37, 0.30, 0.00, 0.00
HSL	229°, 100%, 82%
HSV	229°, 37%, 100%
XYZ	48.6801, 46.6379, 101.0521
YIQ	181.6950, -34.8490, 20.3430

Conversions

Conversions Part 2

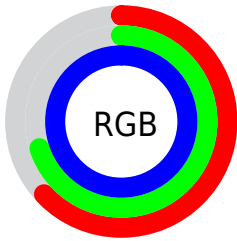
Format	Color
RYB	161, 175, 255
Decimal	10597119
CIELab	73.96, 12.30, -39.99
CIElCh	74, 41.834, 287.093
Yxy	46.6379, 0.2479, 0.2375
Android (android.graphics.Color)	4288787199 (0xFFA1B2FF)
YUV	181.6950, 36.1394, -18.1495
Hunter-Lab	68.2919, 7.7282, -39.9275

Details

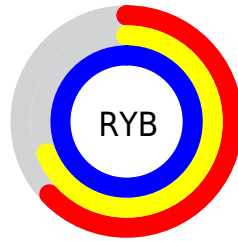
The Yxy color **46.6379, 0.2479, 0.2375** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **85.0382, 0.3739, 0.4062**, and the grayscale version is **46.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9711, 0.2898, 0.3072**, and **22.0631, 0.2311, 0.2161** is the 20% darker color. If you saturate the color by 10%, you get **36.5576, 0.2280, 0.2074**, and if you desaturate by 10%, it is **58.5288, 0.2672, 0.2658**.

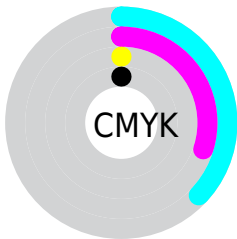
Distribution



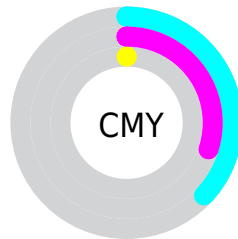
- Red (63%)
- Green (70%)
- Blue (100%)



- Red (63%)
- Yellow (69%)
- Blue (100%)



- Cyan (37%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6379, 0.2479, 0.2375 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 46.6379, 0.2479, 0.2375 by changing the saturation by 10% instead.


 46.6379, 0.2479,
0.2375

 46.6379, 0.2479,
0.2375


373.3673, 0.2797,
0.2807

 32.7495, 0.2403,
0.2276


 85.1729, 0.2592,
0.2525

 21.9346, 0.2308,
0.2154


 110.5882, 0.2635,
0.2584

 13.8089, 0.2187,
0.2001


140.6147, 0.2672,
0.2634

 7.9878, 0.2026,
0.1805

175.6366, 0.2704,
0.2678

 4.0872, 0.1808,
0.1546

216.0385, 0.2732,
0.2716

 1.7224, 0.1499,
0.1201

262.2046, 0.2756,

 0.4381, 0.1060,

0.2750

0.0648

314.5194, 0.2777,
0.2780

0.0000, 0.0000,
0.0000

46.6379, 0.2479,
0.2375

46.6379, 0.2479,
0.2375

36.5576, 0.2280,
0.2074

58.5288, 0.2672,
0.2658

28.1945, 0.2085,
0.1764

72.3108, 0.2854,
0.2917

21.4511, 0.1904,
0.1463

88.0636, 0.3022,
0.3148

16.2191, 0.1749,
0.1187

100.0000, 0.3127,
0.3290

12.3755, 0.1632,
0.0957

■ 9.7754, 0.1557,
0.0784

■ 9.1666, 0.1540,
0.0742

Harmonies

Analogous

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



46.6379, 0.2167, 0.2453



46.6379, 0.2479, 0.2375



46.6379, 0.2985, 0.2500

Triad

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



46.6379, 0.2479, 0.2375



46.6379, 0.4293, 0.3652



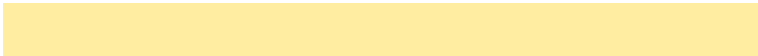
46.6379, 0.2635, 0.3869

Complementary

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



46.6379, 0.2479, 0.2375



85.0382, 0.3739, 0.4062

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.



46.6379, 0.3180, 0.4283



46.6379, 0.2479, 0.2375



46.6379, 0.4155, 0.4070

Square

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



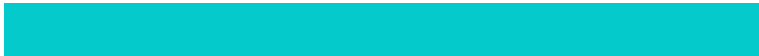
46.6379, 0.2479, 0.2375



46.6379, 0.4082, 0.3199



46.6379, 0.3739, 0.4333



46.6379, 0.2245, 0.3274

Rectangle

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



46.6379, 0.2479, 0.2375



46.6379, 0.3384, 0.2680



46.6379, 0.3739, 0.4333



46.6379, 0.2805, 0.4040

Sweetspot

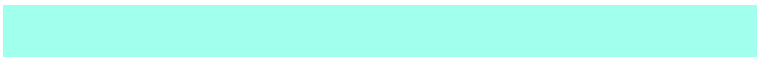
The Sweet Spot groups the original color and five complimentary colors.



46.6390, 0.2479, 0.2375



81.2558, 0.2954, 0.3055



85.2650, 0.2690, 0.3482



16.9341, 0.2931, 0.3024



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.



46.6390, 0.2479, 0.2375



39.2356, 0.2337, 0.2160



43.7886, 0.2661, 0.2230



17.9064, 0.2979, 0.3089



4.9413, 0.1545, 0.0762



0.6178, 0.1596, 0.0945

Inverse Universe

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



49.9896, 0.3865, 0.3114



43.4892, 0.4084, 0.3081



90.1447, 0.3479, 0.4277



18.0405, 0.3266, 0.3247



11.2268, 0.6130, 0.3151



1.1069, 0.5843, 0.2992

Previews

White Background



This preview shows how the Yxy color 46.6379, 0.2479, 0.2375 looks on a white background.

Color Contrast Check

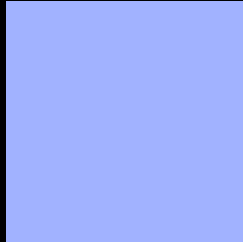
Large Text (above 18pt) WCAG AA × Fail

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 46.6379, 0.2479, 0.2375 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 46.6379, 0.2479, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 46.6379, 0.2479, 0.2375.



This preview shows how white text looks on a background with the Yxy color 46.6379, 0.2479, 0.2375.

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

46.6379, 0.2479, 0.2375

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.5281, 0.2449, 0.2380



Tritanopia

46.6678, 0.2723, 0.3087

Trichromacy



Original Color

46.6379, 0.2479, 0.2375

Protanomaly

46.8311, 0.2468, 0.2385

Deuteranomaly

46.7293, 0.2462, 0.2383

Tritanomaly

46.3272, 0.2625, 0.2798

Monochromacy



Original Color

46.6379, 0.2479, 0.2375

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6499, 0.2860, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6379, 0.2479, 0.2375 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(161, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 178, 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(161, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.6379, 0.2479, 0.2375 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(161, 178, 255) }
```

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

```
.border{ border-color:rgb(161, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6379, 0.2479, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 178, 255) }
```

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

```
.background{ background-color: rgb(161,  
178, 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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