

Converting Colors

$Y_{xy}(47.0068, 0.2565, 0.2361)$

Have a look what the booklet for
Yxy(47.0068, 0.2565, 0.2361)
contains.

Yxy(46.9939, 0.2565, 0.2361)	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(46.9939, 0.2565, 0.2361)

Conversions

Conversions Part 1

Format	Color
Hex	AFAFFF
RGB	175, 175, 255
RGB Percent	69%, 69%, 100%
CMY	0.3138, 0.3137, 0.0000
CMYK	0.31, 0.31, 0.00, 0.00
HSL	240°, 100%, 84%
HSV	240°, 31%, 100%
XYZ	51.0544, 46.9939, 100.9941
YIQ	184.1200, -25.6800, 24.8800

Conversions

Conversions Part 2

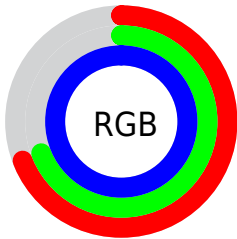
Format	Color
RYB	175, 175, 255
Decimal	11513855
CIELab	74.19, 17.71, -39.56
CIELCh	74, 43.340, 294.122
Yxy	46.9939, 0.2565, 0.2361
Android (android.graphics.Color)	4289703935 (0xFFFAFAFFF)
YUV	184.1200, 34.9438, -7.9982
Hunter-Lab	68.5521, 12.9722, -39.3623

Details

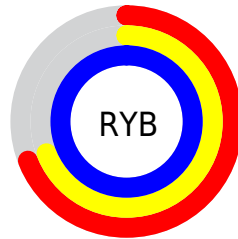
The Yxy color **46.9939, 0.2565, 0.2361** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.8461, 0.3603, 0.4076**, and the grayscale version is **47.8148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9694, 0.2986, 0.3037**, and **22.2362, 0.2414, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **35.3156, 0.2351, 0.2007**, and if you desaturate by 10%, it is **61.1039, 0.2765, 0.2692**.

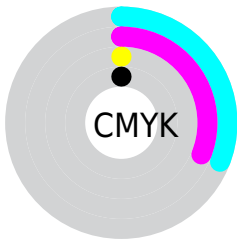
Distribution



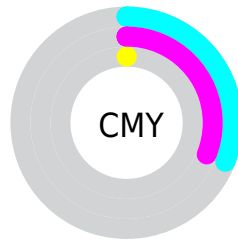
- Red (69%)
- Green (69%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9939, 0.2565, 0.2361 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 46.9939, 0.2565, 0.2361 by changing the saturation by 10% instead.

■ 46.9939, 0.2565,
0.2361

■ 46.9939, 0.2565,
0.2361

374.7902, 0.2843,
0.2796

■ 33.0308, 0.2498,
0.2262

■ 85.7045, 0.2665,
0.2512

■ 22.1501, 0.2414,
0.2141

111.2209, 0.2702,
0.2570

■ 13.9672, 0.2305,
0.1989

141.3571, 0.2735,
0.2621

■ 8.0979, 0.2160,
0.1795

176.4976, 0.2762,
0.2665

■ 4.1576, 0.1960,
0.1540

217.0267, 0.2787,
0.2704

■ 1.7621, 0.1673,
0.1200

263.3290, 0.2808,


■ 0.4634, 0.1260,


0.2738


0.0668


315.7886, 0.2827,
0.2768


 0.0000, 0.0000,
0.0000


 46.9939, 0.2565,
0.2361


 46.9939, 0.2565,
0.2361


 35.3156, 0.2351,
0.2007


 61.1039, 0.2765,
0.2692


 25.9282, 0.2134,
0.1648


 77.7681, 0.2947,
0.2992

 18.6823, 0.1927,
0.1306

 97.1053, 0.3107,
0.3256

 13.4093, 0.1749,
0.1012

 100.0000, 0.3127,
0.3290

 9.9154, 0.1614,
0.0789

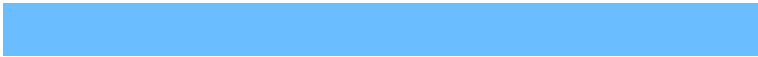
■ 7.9677, 0.1533,
0.0654

■ 7.2230, 0.1500,
0.0600

Harmonies

Analogous

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



46.9939, 0.2193, 0.2388



46.9939, 0.2565, 0.2361



46.9939, 0.3122, 0.2534

Triad

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



46.9939, 0.2565, 0.2361



46.9939, 0.4329, 0.3767



46.9939, 0.2505, 0.3751

Complementary

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



46.9939, 0.2565, 0.2361



95.8461, 0.3603, 0.4076

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.



46.9939, 0.3040, 0.4250



46.9939, 0.2565, 0.2361



46.9939, 0.4107, 0.4176

Square

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



46.9939, 0.2565, 0.2361



46.9939, 0.4197, 0.3302



46.9939, 0.3628, 0.4390



46.9939, 0.2157, 0.3131

Rectangle

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



46.9939, 0.2565, 0.2361



46.9939, 0.3537, 0.2742



46.9939, 0.3628, 0.4390



46.9939, 0.2668, 0.3945

Sweetspot

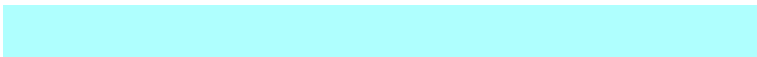
The Sweet Spot groups the original color and five complimentary colors.



46.9952, 0.2565, 0.2361



82.1326, 0.2987, 0.3058



87.7647, 0.2682, 0.3303



17.0059, 0.2962, 0.3018



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.



46.9952, 0.2565, 0.2361



39.0051, 0.2425, 0.2129



52.1114, 0.2843, 0.2429



17.3794, 0.2978, 0.3044



3.7749, 0.1500, 0.0600



0.3681, 0.1500, 0.0601

Inverse Universe

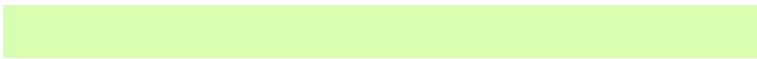
The Inverse Universe completely reimagines the original color for something new.



55.0035, 0.3848, 0.3292



48.2217, 0.4074, 0.3292



89.2614, 0.3342, 0.4149



17.9873, 0.3295, 0.3290



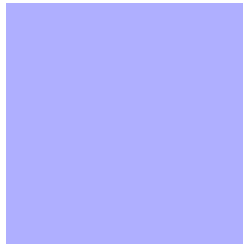
11.1090, 0.6400, 0.3299



1.0817, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 46.9939, 0.2565, 0.2361 looks on a white background.

Color Contrast Check

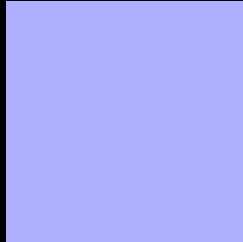
Large Text (above 18pt) WCAG AA × Fail

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 46.9939, 0.2565, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

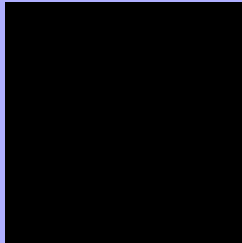
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9939, 0.2565, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 46.9939, 0.2565, 0.2361.

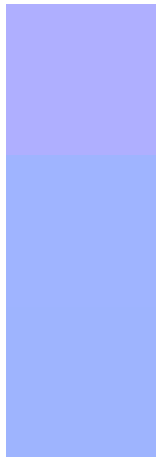


This preview shows how white text looks on a background with the Yxy color 46.9939, 0.2565, 0.2361.

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

46.9939, 0.2565, 0.2361

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.0674, 0.2469, 0.2405



Tritanopia

47.0745, 0.2842, 0.3105

Trichromacy



Original Color

46.9939, 0.2565, 0.2361

Protanomaly

47.0601, 0.2504, 0.2381

Deuteranomaly

46.8891, 0.2503, 0.2389

Tritanomaly

46.8387, 0.2733, 0.2809

Monochromacy



Original Color

46.9939, 0.2565, 0.2361

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5246, 0.2907, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9939, 0.2565, 0.2361 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(175, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 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(175, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9939, 0.2565, 0.2361 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(175, 175, 255) }
```

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

```
.border{ border-color:rgb(175, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9939, 0.2565, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 255) }
```

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

```
.background{ background-color: rgb(175,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor