

Converting Colors

$Y_{xy}(46.7061, 0.2732, 0.2355)$

Have a look what the booklet for
Yxy(46.7061, 0.2732, 0.2355)
contains.

Yxy(46.7061, 0.2732, 0.2355)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7061, 0.2732, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	C4A8FB
RGB	196, 168, 251
RGB Percent	77%, 66%, 98%
CMY	0.2313, 0.3412, 0.0156
CMYK	0.22, 0.33, 0.00, 0.02
HSL	260°, 91%, 82%
HSV	260°, 33%, 98%
XYZ	54.1830, 46.7061, 97.4382
YIQ	185.8340, -9.9550, 31.7490

Conversions

Conversions Part 2

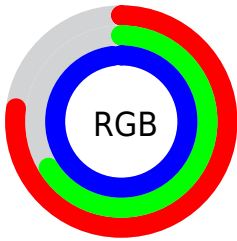
Format	Color
R_{YB}	196, 168, 251
Decimal	12888315
CIE _{Lab}	74.00, 26.65, -37.56
CIE _{LCh}	74, 46.049, 305.355
Yxy	46.7061, 0.2732, 0.2355
Android (android.graphics.Color)	4291078395 (0xFFC4A8FB)
YUV	185.8340, 32.1268, 8.9156
Hunter-Lab	68.3419, 21.9208, -36.6933

Details

The Yxy color $46.7061, 0.2732, 0.2355$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.5203, 0.3434, 0.4174$, and the grayscale version is $48.8279, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.0662, 0.3135, 0.2979$, and $22.0485, 0.2621, 0.2143$ is the 20% darker color. If you saturate the color by 10%, you get $36.2088, 0.2579, 0.2035$, and if you desaturate by 10%, it is $59.2431, 0.2870, 0.2663$.

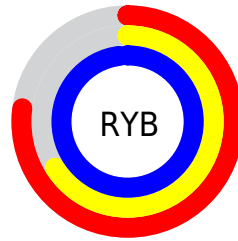
Distribution



Red (77%)

Green (66%)

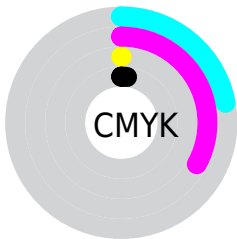
Blue (98%)



Red (77%)

Yellow (66%)

Blue (98%)

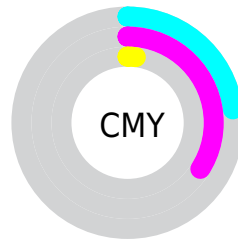


Cyan (22%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (23%)


Magenta (34%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7061, 0.2732, 0.2355 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 46.7061, 0.2732, 0.2355 by changing the saturation by 10% instead.


 46.7061, 0.2732,
0.2355


 46.7061, 0.2732,
0.2355


373.6402, 0.2933,
0.2789

 32.8034, 0.2682,
0.2257


 85.2748, 0.2805,
0.2505

 21.9759, 0.2618,
0.2137


 110.7095, 0.2833,
0.2563

 13.8392, 0.2534,
0.1987


140.7570, 0.2856,
0.2614

 8.0089, 0.2421,
0.1795

175.8017, 0.2876,
0.2658

 4.1006, 0.2259,
0.1544

216.2280, 0.2893,
0.2697

 1.7300, 0.2017,
0.1210

262.4202, 0.2908,

 0.4430, 0.1650,

0.2731

0.0669

314.7628, 0.2922,
0.2761

0.0000, 0.0085,
0.0000

0.0000, 0.0000,
0.0000

46.7061, 0.2732,
0.2355

46.7061, 0.2732,
0.2355

36.2088, 0.2579,
0.2035

59.2431, 0.2870,
0.2663

27.6344, 0.2416,
0.1715

73.9170, 0.2992,
0.2951

20.8624, 0.2248,
0.1413

90.8253, 0.3098,
0.3214

15.7559, 0.2084,
0.1149

99.7460, 0.3150,
0.3328

■ 12.1575, 0.1934,
0.0939

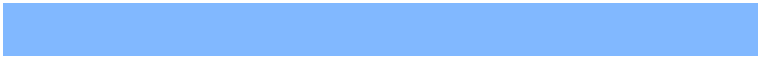
■ 9.8775, 0.1807,
0.0794

■ 8.8828, 0.1734,
0.0729

Harmonies

Analogous

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



46.7061, 0.2259, 0.2299



46.7061, 0.2732, 0.2355



46.7061, 0.3368, 0.2606

Triad

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



46.7061, 0.2732, 0.2355



46.7061, 0.4355, 0.3964



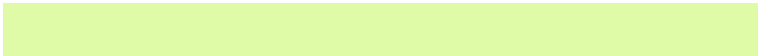
46.7061, 0.2300, 0.3529

Complementary

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



46.7061, 0.2732, 0.2355



87.5203, 0.3434, 0.4174

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.



46.7061, 0.2803, 0.4154



46.7061, 0.2732, 0.2355



46.7061, 0.3997, 0.4348

Square

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



46.7061, 0.2732, 0.2355



46.7061, 0.4365, 0.3481



46.7061, 0.3425, 0.4460



46.7061, 0.2029, 0.2897

Rectangle

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



46.7061, 0.2732, 0.2355



46.7061, 0.3800, 0.2858



46.7061, 0.3425, 0.4460



46.7061, 0.2446, 0.3754

Sweetspot

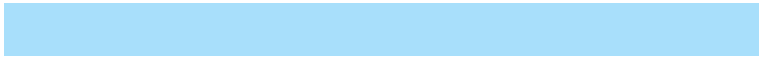
The Sweet Spot groups the original color and five complimentary colors.



46.7080, 0.2732, 0.2355



81.7308, 0.3026, 0.3035



68.2499, 0.2615, 0.2973



16.9849, 0.3011, 0.2997



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.



46.7080, 0.2732, 0.2355



40.6195, 0.2627, 0.2133



53.0066, 0.3054, 0.2438



16.9275, 0.3032, 0.3048



4.7399, 0.1749, 0.0737



0.4947, 0.1878, 0.0808

Inverse Universe

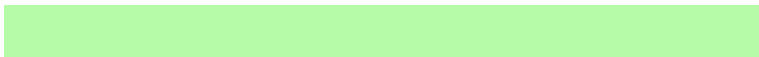
The Inverse Universe completely reimagines the original color for something new.



53.8453, 0.3396, 0.2725



49.2409, 0.3472, 0.2605



81.7563, 0.3165, 0.4254



17.4192, 0.3190, 0.3134



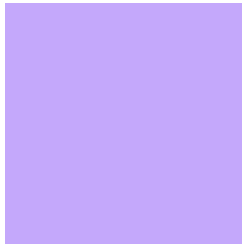
12.2621, 0.4291, 0.2138



1.1554, 0.4128, 0.2048

Previews

White Background



This preview shows how the Yxy color 46.7061, 0.2732, 0.2355 looks on a white background.

Color Contrast Check

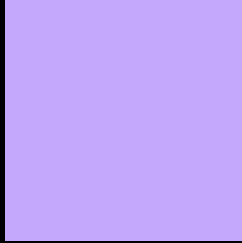
Large Text (above 18pt) WCAG AA × Fail

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 46.7061, 0.2732, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

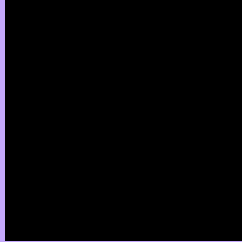
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7061, 0.2732, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 46.7061, 0.2732, 0.2355.



This preview shows how white text looks on a background with the Yxy color 46.7061, 0.2732, 0.2355.

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

46.7061, 0.2732, 0.2355

Protanopia

46.8311, 0.2468, 0.2385

Deuteranopia

47.1635, 0.2521, 0.2461



Tritanopia

46.5743, 0.3068, 0.3099

Trichromacy



Original Color

46.7061, 0.2732, 0.2355

Protanomaly

46.5864, 0.2551, 0.2366

Deuteranomaly

46.9515, 0.2589, 0.2420

Tritanomaly

46.5134, 0.2941, 0.2801

Monochromacy



Original Color

46.7061, 0.2732, 0.2355

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8405, 0.2979, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7061, 0.2732, 0.2355 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(196, 168, 251)` looks like.

```
.text, #text, p{  
    color:rgb(196, 168, 251)  
}
```

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(196, 168, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 168, 251) }
```

Border

The CSS property to change the border of an element to Yxy 46.7061, 0.2732, 0.2355 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(196, 168, 251) }
```

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

```
.border{ border-color:rgb(196, 168, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 168, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 168, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 168, 251);  
box-shadow:4px 4px 4px 4px rgb(196, 168,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7061, 0.2732, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 168, 251) }
```

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

```
.background{ background-color: rgb(196,  
168, 251) }
```

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