

Converting Colors

$Y_{xy}(46.3218, 0.2783, 0.2456)$

Have a look what the booklet for
Yxy(46.3218, 0.2783, 0.2456)
contains.

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Color

Yxy(46.2561, 0.2777, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	C2A9F2
RGB	194, 169, 242
RGB Percent	76%, 66%, 95%
CMY	0.2395, 0.3372, 0.0510
CMYK	0.20, 0.30, 0.00, 0.05
HSL	260°, 74%, 81%
HSV	260°, 30%, 95%
XYZ	52.4513, 46.2561, 90.1701
YIQ	184.7970, -8.5330, 28.0030

Conversions

Conversions Part 2

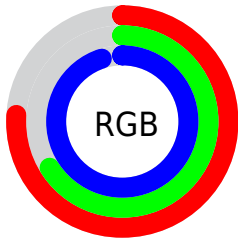
Format	Color
RYB	194, 169, 242
Decimal	12757490
CIELab	73.71, 23.43, -33.14
CIELCh	74, 40.587, 305.261
Yxy	46.2561, 0.2777, 0.2449
Android (android.graphics.Color)	4290947570 (0xFFC2A9F2)
YUV	184.7970, 28.2011, 8.0710
Hunter-Lab	68.0118, 18.6399, -30.9984

Details

The Yxy color $46.2561, 0.2777, 0.2449$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $81.1374, 0.3406, 0.4091$, and the grayscale version is $48.2391, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.0405, 0.3114, 0.2987$, and $21.7567, 0.2669, 0.2245$ is the 20% darker color. If you saturate the color by 10%, you get $36.0736, 0.2629, 0.2132$, and if you desaturate by 10%, it is $58.3349, 0.2909, 0.2751$.

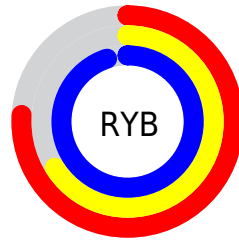
Distribution



Red (76%)

Green (66%)

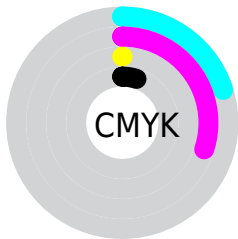
Blue (95%)



Red (76%)

Yellow (66%)

Blue (95%)

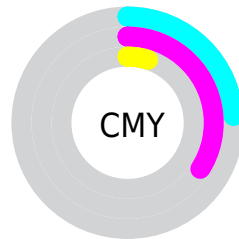


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (24%)


Magenta (34%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2561, 0.2777, 0.2449 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 46.2561, 0.2777, 0.2449 by changing the saturation by 10% instead.


 46.2561, 0.2777,
0.2449


 46.2561, 0.2777,
0.2449


371.8373, 0.2956,
0.2844

 32.4480, 0.2732,
0.2358


 84.6021, 0.2842,
0.2587

 21.7039, 0.2675,
0.2247


 109.9088, 0.2867,
0.2640

 13.6395, 0.2599,
0.2105


139.8172, 0.2887,
0.2686

 7.8704, 0.2495,
0.1923

174.7115, 0.2905,
0.2726

 4.0121, 0.2345,
0.1679

214.9764, 0.2920,
0.2761

 1.6803, 0.2116,
0.1345

260.9960, 0.2934,


 0.4109, 0.1762,


0.2792


0.0748

313.1548, 0.2945,
0.2819


 0.0000, 0.0000,
0.0000

 46.2561, 0.2777,
0.2449


 46.2561, 0.2777,
0.2449

 36.0736, 0.2629,
0.2132

 58.3349, 0.2909,
0.2751


 27.6827, 0.2470,
0.1812


 72.3963, 0.3026,
0.3031

 20.9768, 0.2303,
0.1504

 88.5277, 0.3126,
0.3286

 15.8352, 0.2138,
0.1227

 99.1910, 0.3203,
0.3415

 12.1207, 0.1984,
0.1000

■ 9.6707, 0.1849,
0.0835

■ 8.2325, 0.1741,
0.0733

Harmonies

Analogous

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



46.2561, 0.2350, 0.2402



46.2561, 0.2777, 0.2449



46.2561, 0.3342, 0.2676

Triad

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



46.2561, 0.2777, 0.2449



46.2561, 0.4220, 0.3903



46.2561, 0.2393, 0.3507

Complementary

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



46.2561, 0.2777, 0.2449



81.1374, 0.3406, 0.4091

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.



46.2561, 0.2847, 0.4046



46.2561, 0.2777, 0.2449



46.2561, 0.3909, 0.4233

Square

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



46.2561, 0.2777, 0.2449



46.2561, 0.4221, 0.3470



46.2561, 0.3402, 0.4318



46.2561, 0.2144, 0.2951

Rectangle

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



46.2561, 0.2777, 0.2449



46.2561, 0.3722, 0.2905



46.2561, 0.3402, 0.4318



46.2561, 0.2525, 0.3701

Sweetspot

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



46.2580, 0.2777, 0.2449



83.4664, 0.3038, 0.3061



64.8247, 0.2660, 0.3005



17.3319, 0.3022, 0.3023



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.



46.2580, 0.2777, 0.2449



45.0262, 0.2691, 0.2262



51.5933, 0.3063, 0.2516



15.4910, 0.3033, 0.3050



4.4901, 0.1757, 0.0741



0.4265, 0.1900, 0.0820

Inverse Universe

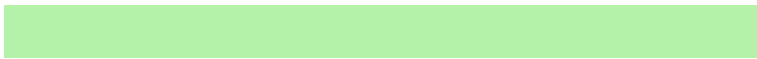
The Inverse Universe completely reimagines the original color for something new.



52.2780, 0.3368, 0.2779



52.8889, 0.3430, 0.2677



76.2185, 0.3163, 0.4155



15.9344, 0.3190, 0.3136



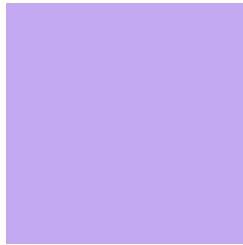
11.5196, 0.4304, 0.2145



0.9769, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 46.2561, 0.2777, 0.2449 looks on a white background.

Color Contrast Check

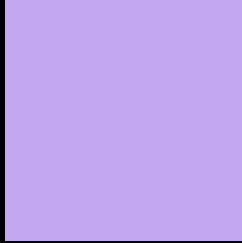
Large Text (above 18pt) WCAG AA × Fail

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 46.2561, 0.2777, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

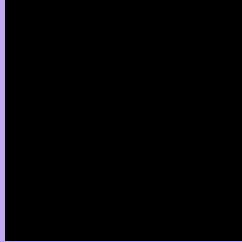
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2561, 0.2777, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 46.2561, 0.2777, 0.2449.



This preview shows how white text looks on a background with the Yxy color 46.2561, 0.2777, 0.2449.

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

46.2561, 0.2777, 0.2449

Protanopia

46.5533, 0.2507, 0.2446

Deuteranopia

46.2391, 0.2596, 0.2534



Tritanopia

46.4047, 0.3067, 0.3111

Trichromacy



Original Color

46.2561, 0.2777, 0.2449

Protanomaly

46.0844, 0.2597, 0.2444

Deuteranomaly

46.2409, 0.2656, 0.2501

Tritanomaly

46.0545, 0.2955, 0.2845

Monochromacy



Original Color

46.2561, 0.2777, 0.2449

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.3878, 0.2993, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2561, 0.2777, 0.2449 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(194, 169, 242)` looks like.

```
.text, #text, p{  
    color:rgb(194, 169, 242)  
}
```

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(194, 169, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 169, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.2561, 0.2777, 0.2449 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(194, 169, 242) }
```

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

```
.border{ border-color:rgb(194, 169, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 169, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 169, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 169, 242);  
box-shadow:4px 4px 4px 4px rgb(194, 169,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2561, 0.2777, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 169, 242) }
```

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

```
.background{ background-color: rgb(194,  
169, 242) }
```

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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