

Converting Colors

$Y_{xy}(41.4560, 0.2673, 0.2239)$

Have a look what the booklet for
Yxy(41.4560, 0.2673, 0.2239)
contains.

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Color

Yxy(41.4560, 0.2673, 0.2239)

Conversions

Conversions Part 1

Format	Color
Hex	BB9DF8
RGB	187, 157, 248
RGB Percent	73%, 62%, 97%
CMY	0.2667, 0.3843, 0.0274
CMYK	0.25, 0.37, 0.00, 0.03
HSL	260°, 87%, 79%
HSV	260°, 37%, 97%
XYZ	49.4917, 41.4560, 94.2064
YIQ	176.3440, -11.3310, 34.6610

Conversions

Conversions Part 2

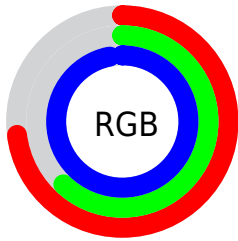
Format	Color
R _Y B	187, 157, 248
Decimal	12295672
CIE Lab	70.49, 29.43, -41.45
CIE LCh	70, 50.837, 305.380
Yxy	41.4560, 0.2673, 0.2239
Android (android.graphics.Color)	4290485752 (0xFFBB9DF8)
YUV	176.3440, 35.3264, 9.3453
Hunter-Lab	64.3863, 24.5311, -41.6793

Details

The Yxy color $41.4560, 0.2673, 0.2239$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.4847, 0.3470, 0.4274$, and the grayscale version is $43.4218, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5401, 0.3069, 0.2861$, and $18.7703, 0.2540, 0.1989$ is the 20% darker color. If you saturate the color by 10%, you get $31.9224, 0.2514, 0.1916$, and if you desaturate by 10%, it is $52.9389, 0.2818, 0.2553$.

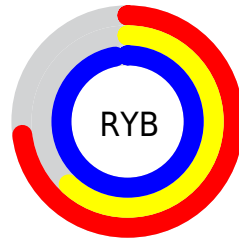
Distribution



Red (73%)

Green (62%)

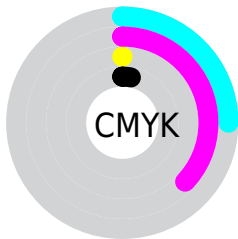
Blue (97%)



Red (73%)

Yellow (62%)

Blue (97%)

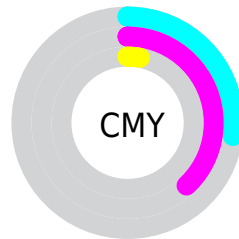


Cyan (25%)

Magenta (37%)

Yellow (0%)

Black (3%)



Cyan (27%)


Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4560, 0.2673, 0.2239 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 41.4560, 0.2673, 0.2239 by changing the saturation by 10% instead.


 41.4560, 0.2673,
0.2239


 41.4560, 0.2673,
0.2239


352.2229, 0.2908,
0.2731

 28.6756, 0.2614,
0.2128


 77.3756, 0.2759,
0.2409

 18.8355, 0.2537,
0.1991


 101.2836, 0.2792,
0.2476

 11.5515, 0.2437,
0.1821


129.6696, 0.2819,
0.2533

 6.4391, 0.2299,
0.1604

162.9179, 0.2842,
0.2583

 3.1139, 0.2103,
0.1323

201.4130, 0.2862,
0.2627

 1.1915, 0.1810,
0.0957

245.5393, 0.2879,

 0.0547, 0.1408,

0.2665

0.0100

295.6811, 0.2895,
0.2700

0.0000, 0.0000,
0.0000

41.4560, 0.2673,
0.2239

41.4560, 0.2673,
0.2239

31.9224, 0.2514,
0.1916

52.9389, 0.2818,
0.2553

24.2213, 0.2347,
0.1600

66.4690, 0.2948,
0.2850

18.2305, 0.2178,
0.1309

82.1435, 0.3061,
0.3122

13.8106, 0.2017,
0.1061

99.2762, 0.3158,
0.3357

10.7988, 0.1874,
0.0873

99.5578, 0.3168,
0.3357

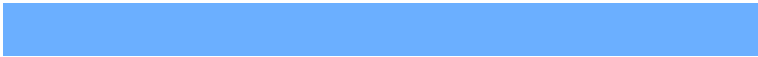
■ 8.9919, 0.1757,
0.0753

■ 8.5583, 0.1724,
0.0723

Harmonies

Analogous

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



41.4560, 0.2145, 0.2172



41.4560, 0.2673, 0.2239



41.4560, 0.3398, 0.2518

Triad

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



41.4560, 0.2673, 0.2239



41.4560, 0.4524, 0.4033



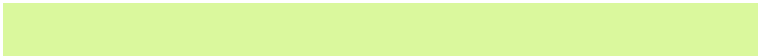
41.4560, 0.2183, 0.3559

Complementary

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



41.4560, 0.2673, 0.2239



84.4847, 0.3470, 0.4274

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.



41.4560, 0.2746, 0.4298



41.4560, 0.2673, 0.2239



41.4560, 0.4104, 0.4488

Square

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



41.4560, 0.2673, 0.2239



41.4560, 0.4548, 0.3488



41.4560, 0.3450, 0.4646



41.4560, 0.1887, 0.2828

Rectangle

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



41.4560, 0.2673, 0.2239



41.4560, 0.3898, 0.2798



41.4560, 0.3450, 0.4646



41.4560, 0.2345, 0.3824

Sweetspot

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



41.4576, 0.2673, 0.2239



79.9963, 0.3014, 0.3008



64.7099, 0.2564, 0.2951



16.6374, 0.2998, 0.2971



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.



41.4576, 0.2673, 0.2239



36.4797, 0.2557, 0.2001



47.9376, 0.3030, 0.2341



16.9207, 0.3031, 0.3048



4.6905, 0.1739, 0.0731



0.4895, 0.1866, 0.0802

Inverse Universe

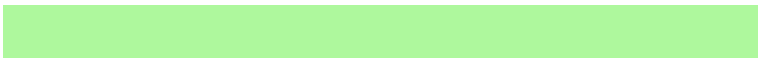
The Inverse Universe completely reimagines the original color for something new.



49.1382, 0.3428, 0.2655



45.9089, 0.3510, 0.2530



78.5379, 0.3175, 0.4372



17.4216, 0.3189, 0.3132



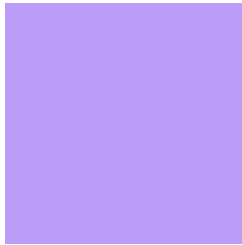
12.3007, 0.4260, 0.2121



1.1588, 0.4102, 0.2034

Previews

White Background



This preview shows how the Yxy color 41.4560, 0.2673, 0.2239 looks on a white background.

Color Contrast Check

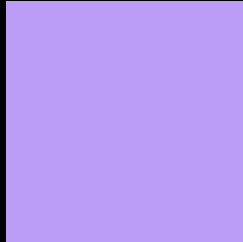
Large Text (above 18pt) WCAG AA × Fail

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 41.4560, 0.2673, 0.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

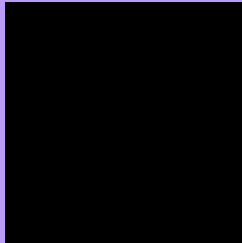
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4560, 0.2673, 0.2239

Background



This preview shows how black text looks on a background with the Yxy color 41.4560, 0.2673, 0.2239.



This preview shows how white text looks on a background with the Yxy color 41.4560, 0.2673, 0.2239.

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

41.4560, 0.2673, 0.2239

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

41.7381, 0.2418, 0.2363



Tritanopia

41.3241, 0.3056, 0.3102

Trichromacy



Original Color

41.4560, 0.2673, 0.2239

Protanomaly

41.4121, 0.2466, 0.2243

Deuteranomaly

41.3998, 0.2501, 0.2313

Tritanomaly

40.9990, 0.2907, 0.2752

Monochromacy



Original Color

41.4560, 0.2673, 0.2239

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.3435, 0.2955, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4560, 0.2673, 0.2239 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(187, 157, 248)` looks like.

```
.text, #text, p{  
    color:rgb(187, 157, 248)  
}
```

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(187, 157, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 157, 248) }
```

Border

The CSS property to change the border of an element to Yxy 41.4560, 0.2673, 0.2239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

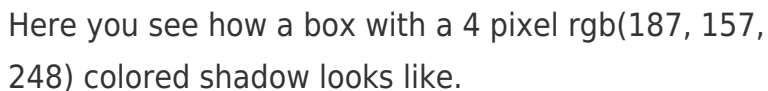
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 157, 248) }
```

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

```
.border{ border-color:rgb(187, 157, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 157, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 157, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 157, 248); box-shadow:4px 4px 4px 4px rgb(187, 157, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4560, 0.2673, 0.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 157, 248) }
```

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

```
.background{ background-color: rgb(187,  
157, 248) }
```

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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