

Converting Colors

$Y_{xy}(40.6799, 0.2500, 0.2195)$

Have a look what the booklet for
Yxy(40.6799, 0.2500, 0.2195)
contains.

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Color

Yxy(40.7971, 0.2501, 0.2199)

Conversions

Conversions Part 1

Format	Color
Hex	A7A1FD
RGB	167, 161, 253
RGB Percent	65%, 63%, 99%
CMY	0.3452, 0.3685, 0.0080
CMYK	0.34, 0.36, 0.00, 0.01
HSL	244°, 96%, 81%
HSV	244°, 36%, 99%
XYZ	46.4000, 40.7971, 98.3286
YIQ	173.2820, -25.9560, 29.8840

Conversions

Conversions Part 2

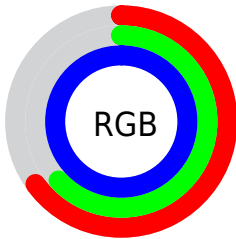
Format	Color
RYB	167, 161, 253
Decimal	10985981
CIELab	70.03, 22.86, -44.98
CIElCh	70, 50.460, 296.943
Yxy	40.7971, 0.2501, 0.2199
Android (android.graphics.Color)	4289176061 (0xFFA7A1FD)
YUV	173.2820, 39.3010, -5.5093
Hunter-Lab	63.8726, 17.8935, -46.5631

Details

The Yxy color **40.7971, 0.2501, 0.2199** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.5821, 0.3634, 0.4210**, and the grayscale version is **41.7447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1790, 0.2932, 0.2885**, and **18.3675, 0.2326, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **30.4873, 0.2293, 0.1846**, and if you desaturate by 10%, it is **53.3698, 0.2698, 0.2538**.

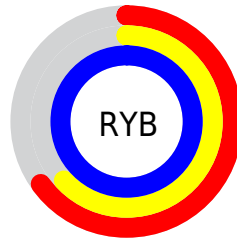
Distribution



Red (65%)

Green (63%)

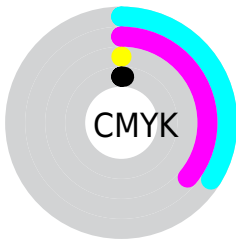
Blue (99%)



Red (65%)

Yellow (63%)

Blue (99%)

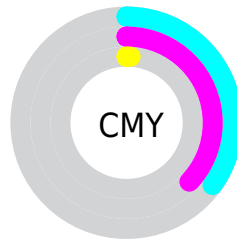


Cyan (34%)

Magenta (36%)

Yellow (0%)

Black (1%)



Cyan (35%)


Magenta (37%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7971, 0.2501, 0.2199 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 40.7971, 0.2501, 0.2199 by changing the saturation by 10% instead.


 40.7971, 0.2501,
0.2199

 40.7971, 0.2501,
0.2199


349.4719, 0.2818,
0.2712

 28.1606, 0.2423,
0.2083


 76.3758, 0.2616,
0.2377

 18.4467, 0.2325,
0.1940


 100.0867, 0.2659,
0.2446

 11.2712, 0.2197,
0.1762


128.2580, 0.2696,
0.2506

 6.2496, 0.2026,
0.1537

161.2739, 0.2727,
0.2558

 2.9974, 0.1790,
0.1248

199.5188, 0.2754,
0.2604

 1.1304, 0.1455,
0.0877

243.3772, 0.2778,

 0.0037, 0.0972,

0.2644

0.0006

293.2334, 0.2799,
0.2680

0.0000, 0.0000,
0.0000

40.7971, 0.2501,
0.2199

40.7971, 0.2501,
0.2199

30.4873, 0.2293,
0.1846

53.3698, 0.2698,
0.2538

22.3016, 0.2085,
0.1498

68.3240, 0.2877,
0.2850

16.0931, 0.1890,
0.1179

85.7756, 0.3037,
0.3130

11.6940, 0.1725,
0.0916

99.8697, 0.3139,
0.3309

8.9092, 0.1603,
0.0730

■ 7.4969, 0.1530,
0.0629

■ 7.2029, 0.1514,
0.0608

Harmonies

Analogous

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



40.7971, 0.2045, 0.2199



40.7971, 0.2501, 0.2199



40.7971, 0.3183, 0.2422

Triad

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



40.7971, 0.2501, 0.2199



40.7971, 0.4574, 0.3882



40.7971, 0.2320, 0.3782

Complementary

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



40.7971, 0.2501, 0.2199



92.5821, 0.3634, 0.4210

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.



40.7971, 0.2939, 0.4446



40.7971, 0.2501, 0.2199



40.7971, 0.4251, 0.4377

Square

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



40.7971, 0.2501, 0.2199



40.7971, 0.4468, 0.3334



40.7971, 0.3646, 0.4643



40.7971, 0.1943, 0.3013

Rectangle

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



40.7971, 0.2501, 0.2199



40.7971, 0.3691, 0.2674



40.7971, 0.3646, 0.4643



40.7971, 0.2505, 0.4037

Sweetspot

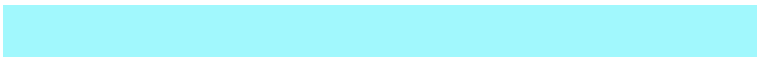
The Sweet Spot groups the original color and five complimentary colors.



40.7986, 0.2501, 0.2199



78.7498, 0.2965, 0.3003



82.0310, 0.2609, 0.3237



16.3424, 0.2943, 0.2965



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.



40.7986, 0.2501, 0.2199



33.2936, 0.2342, 0.1929



46.5236, 0.2835, 0.2293



17.4338, 0.2988, 0.3045



3.8534, 0.1519, 0.0611



0.3939, 0.1564, 0.0635

Inverse Universe

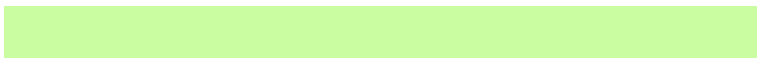
The Inverse Universe completely reimagines the original color for something new.



53.0908, 0.3217, 0.2439



47.6068, 0.3239, 0.2270



85.4152, 0.3331, 0.4310



18.2789, 0.3148, 0.3071



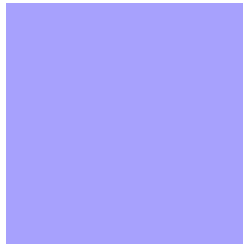
14.3592, 0.3379, 0.1635



1.4040, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 40.7971, 0.2501, 0.2199 looks on a white background.

Color Contrast Check

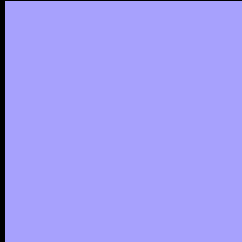
Large Text (above 18pt) WCAG AA × Fail

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 40.7971, 0.2501, 0.2199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

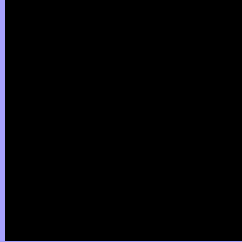
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7971, 0.2501, 0.2199

Background



This preview shows how black text looks on a background with the Yxy color 40.7971, 0.2501, 0.2199.



This preview shows how white text looks on a background with the Yxy color 40.7971, 0.2501, 0.2199.

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

40.7971, 0.2501, 0.2199

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

41.0329, 0.2338, 0.2278



Tritanopia

40.6752, 0.2841, 0.3094

Trichromacy



Original Color

40.7971, 0.2501, 0.2199

Protanomaly

40.5501, 0.2390, 0.2207

Deuteranomaly

40.9616, 0.2392, 0.2247

Tritanomaly

40.3985, 0.2704, 0.2720

Monochromacy



Original Color

40.7971, 0.2501, 0.2199

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.2981, 0.2880, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7971, 0.2501, 0.2199 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(167, 161, 253)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 253)  
}
```

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(167, 161, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 253) }
```

Border

The CSS property to change the border of an element to Yxy 40.7971, 0.2501, 0.2199 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(167, 161, 253) }
```

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

```
.border{ border-color:rgb(167, 161, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 161, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 161, 253);  
box-shadow:4px 4px 4px 4px rgb(167, 161,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7971, 0.2501, 0.2199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 253) }
```

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

```
.background{ background-color: rgb(167,  
161, 253) }
```

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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