

Converting Colors

$Y_{xy}(46.4112, 0.2519, 0.1978)$

Have a look what the booklet for
Yxy(46.4112, 0.2519, 0.1978)
contains.

Yxy(44.2319, 0.2707, 0.2232)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.2319, 0.2707, 0.2232)

Conversions

Conversions Part 1

Format	Color
Hex	C5A0FF
RGB	197, 160, 255
RGB Percent	77%, 63%, 100%
CMY	0.2274, 0.3725, 0.0001
CMYK	0.23, 0.37, 0.00, 0.00
HSL	263°, 100%, 81%
HSV	263°, 37%, 100%
XYZ	53.6451, 44.2319, 100.2946
YIQ	181.8930, -8.4430, 37.3890

Conversions

Conversions Part 2

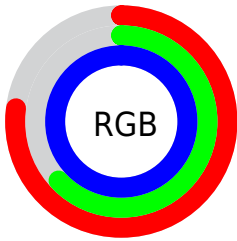
Format	Color
R _Y B	197, 160, 255
Decimal	12951807
CIE Lab	72.38, 32.24, -42.21
CIE LCh	72, 53.118, 307.375
Yxy	44.2319, 0.2707, 0.2232
Android (android.graphics.Color)	4291141887 (0xFFC5A0FF)
YUV	181.8930, 36.0418, 13.2488
Hunter-Lab	66.5071, 27.5919, -42.8561

Details

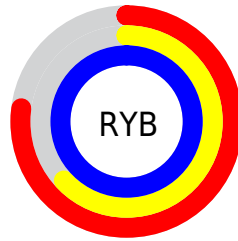
The Yxy color **44.2319, 0.2707, 0.2232** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.9414, 0.3436, 0.4304**, and the grayscale version is **46.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **20.4651, 0.2577, 0.1987** is the 20% darker color. If you saturate the color by 10%, you get **34.2876, 0.2561, 0.1917**, and if you desaturate by 10%, it is **56.2093, 0.2840, 0.2542**.

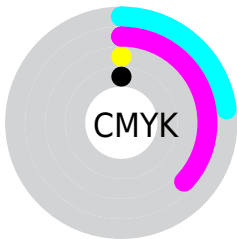
Distribution



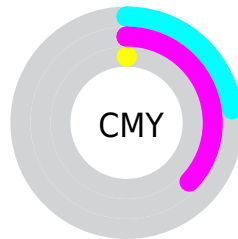
- Red (77%)
- Green (63%)
- Blue (100%)



- Red (77%)
- Yellow (63%)
- Blue (100%)



- Cyan (23%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2319, 0.2707, 0.2232 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 44.2319, 0.2707, 0.2232 by changing the saturation by 10% instead.


 44.2319, 0.2707,
0.2232


 44.2319, 0.2707,
0.2232


363.6538, 0.2924,
0.2720

 30.8529, 0.2652,
0.2123


 81.5666, 0.2787,
0.2400

 20.4868, 0.2583,
0.1990


 106.2910, 0.2816,
0.2465

 12.7494, 0.2491,
0.1825


135.5660, 0.2841,
0.2522

 7.2562, 0.2366,
0.1618

169.7760, 0.2863,
0.2572

 3.6229, 0.2190,
0.1350

209.3054, 0.2881,
0.2616

 1.4649, 0.1926,
0.1005

254.5386, 0.2897,

 0.2638, 0.1547,

0.2654

0.0387

305.8599, 0.2912,
0.2689

0.0000, 0.0000,
0.0000

44.2319, 0.2707,
0.2232

44.2319, 0.2707,
0.2232

34.2876, 0.2561,
0.1917

56.2093, 0.2840,
0.2542

26.2528, 0.2405,
0.1610

70.3228, 0.2959,
0.2836

19.9988, 0.2247,
0.1329

86.6748, 0.3062,
0.3108

15.3775, 0.2095,
0.1091

99.9983, 0.3127,
0.3290

12.2159, 0.1956,
0.0912

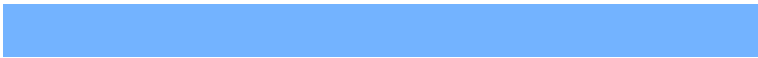
■ 10.2925, 0.1838,
0.0795

■ 9.8912, 0.1809,
0.0770

Harmonies

Analogous

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



44.2319, 0.2153, 0.2148



44.2319, 0.2707, 0.2232



44.2319, 0.3456, 0.2528

Triad

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



44.2319, 0.2707, 0.2232



44.2319, 0.4535, 0.4079



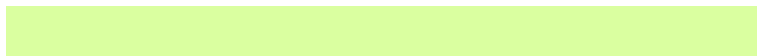
44.2319, 0.2134, 0.3509

Complementary

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



44.2319, 0.2707, 0.2232



88.9414, 0.3436, 0.4304

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.



44.2319, 0.2692, 0.4282



44.2319, 0.2707, 0.2232



44.2319, 0.4083, 0.4534

Square

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



44.2319, 0.2707, 0.2232



44.2319, 0.4593, 0.3526



44.2319, 0.3406, 0.4672



44.2319, 0.1854, 0.2774

Rectangle

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



44.2319, 0.2707, 0.2232



44.2319, 0.3962, 0.2819



44.2319, 0.3406, 0.4672



44.2319, 0.2293, 0.3783

Sweetspot

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



44.2337, 0.2707, 0.2232



80.2873, 0.3025, 0.3009



65.1307, 0.2545, 0.2869



16.7065, 0.3011, 0.2972



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.



44.2337, 0.2707, 0.2232



36.3594, 0.2594, 0.1987



51.5757, 0.3080, 0.2340



17.7229, 0.3040, 0.3049



5.2494, 0.1826, 0.0779



0.5720, 0.1951, 0.0848

Inverse Universe

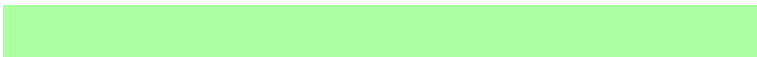
The Inverse Universe completely reimagines the original color for something new.



51.4585, 0.3486, 0.2699



44.7566, 0.3590, 0.2578



82.7086, 0.3138, 0.4406



18.1734, 0.3198, 0.3146



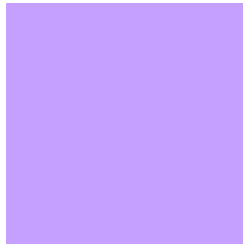
12.3867, 0.4502, 0.2254



1.2275, 0.4314, 0.2150

Previews

White Background



This preview shows how the Yxy color 44.2319, 0.2707, 0.2232 looks on a white background.

Color Contrast Check

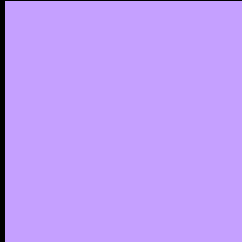
Large Text (above 18pt) WCAG AA × Fail

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 44.2319, 0.2707, 0.2232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

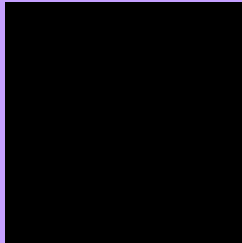
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2319, 0.2707, 0.2232

Background



This preview shows how black text looks on a background with the Yxy color 44.2319, 0.2707, 0.2232.



This preview shows how white text looks on a background with the Yxy color 44.2319, 0.2707, 0.2232.

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

44.2319, 0.2707, 0.2232

Protanopia

44.4593, 0.2411, 0.2323

Deuteranopia

44.5630, 0.2423, 0.2364



Tritanopia

44.2172, 0.3109, 0.3109

Trichromacy



Original Color

44.2319, 0.2707, 0.2232

Protanomaly

44.2943, 0.2511, 0.2290

Deuteranomaly

44.0568, 0.2515, 0.2307

Tritanomaly

43.9482, 0.2954, 0.2759

Monochromacy



Original Color

44.2319, 0.2707, 0.2232

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.4403, 0.2961, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2319, 0.2707, 0.2232 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(197, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 160, 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(197, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.2319, 0.2707, 0.2232 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(197, 160, 255) }
```

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

```
.border{ border-color:rgb(197, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2319, 0.2707, 0.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 160, 255) }
```

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

```
.background{ background-color: rgb(197,  
160, 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](#).

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