

Converting Colors

$Y_{xy}(41.7509, 0.2739, 0.2141)$

Have a look what the booklet for
Yxy(41.7509, 0.2739, 0.2141)
contains.

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Color

Yxy(41.5892, 0.2738, 0.2136)

Conversions

Conversions Part 1

Format	Color
Hex	CA96FF
RGB	202, 150, 255
RGB Percent	79%, 59%, 100%
CMY	0.2078, 0.4117, 0.0001
CMYK	0.21, 0.41, 0.00, 0.00
HSL	270°, 100%, 79%
HSV	270°, 41%, 100%
XYZ	53.3105, 41.5892, 99.8063
YIQ	177.5180, -2.7130, 43.6790

Conversions

Conversions Part 2

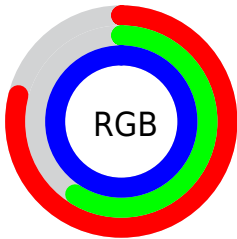
Format	Color
R _Y B	202, 150, 255
Decimal	13276927
CIE Lab	70.59, 39.13, -44.99
CIE LCh	71, 59.626, 311.011
Yxy	41.5892, 0.2738, 0.2136
Android (android.graphics.Color)	4291467007 (0xFFCA96FF)
YUV	177.5180, 38.1986, 21.4707
Hunter-Lab	64.4897, 34.7003, -46.6163

Details

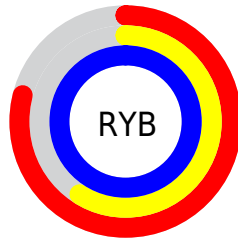
The Yxy color **41.5892, 0.2738, 0.2136** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.4025, 0.3390, 0.4446**, and the grayscale version is **44.0504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **18.9236, 0.2615, 0.1873** is the 20% darker color. If you saturate the color by 10%, you get **32.5982, 0.2612, 0.1838**, and if you desaturate by 10%, it is **52.5034, 0.2853, 0.2437**.

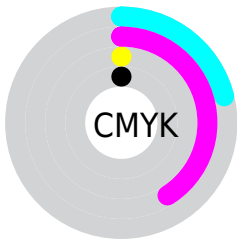
Distribution



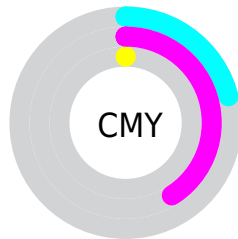
- Red (79%)
- Green (59%)
- Blue (100%)



- Red (79%)
- Yellow (59%)
- Blue (100%)



- Cyan (21%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5892, 0.2738, 0.2136 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 41.5892, 0.2738, 0.2136 by changing the saturation by 10% instead.


 41.5892, 0.2738,
0.2136

 41.5892, 0.2738,
0.2136


352.7772, 0.2945,
0.2666

 28.7798, 0.2685,
0.2018


 77.5775, 0.2815,
0.2318

 18.9143, 0.2616,
0.1876


 101.5252, 0.2843,
0.2389

 11.6084, 0.2525,
0.1700


129.9544, 0.2867,
0.2451

 6.4776, 0.2400,
0.1480

163.2495, 0.2887,
0.2505

 3.1376, 0.2220,
0.1201

201.7950, 0.2905,
0.2552

 1.2040, 0.1950,
0.0850

245.9751, 0.2920,

 0.0650, 0.1579,

0.2594

0.0100

296.1744, 0.2933,
0.2632


 0.0000, 0.0000,
0.0000

 41.5892, 0.2738,
0.2136

 41.5892, 0.2738,
0.2136


 32.5982, 0.2612,
0.1838


 52.5034, 0.2853,
0.2437


 25.4059, 0.2479,
0.1556


 65.4450, 0.2955,
0.2729


 19.8803, 0.2344,
0.1307

 80.5162, 0.3043,
0.3006

 15.8684, 0.2213,
0.1105

 97.8110, 0.3119,
0.3262

 13.1870, 0.2091,
0.0959

 99.9986, 0.3127,
0.3290

■ 11.6769, 0.1995,
0.0873

Harmonies

Analogous

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



41.5892, 0.2090, 0.2009



41.5892, 0.2738, 0.2136



41.5892, 0.3605, 0.2487

Triad

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



41.5892, 0.2738, 0.2136



41.5892, 0.4671, 0.4221



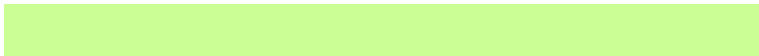
41.5892, 0.1946, 0.3416

Complementary

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



41.5892, 0.2738, 0.2136



86.4025, 0.3390, 0.4446

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.



41.5892, 0.2530, 0.4350



41.5892, 0.2738, 0.2136



41.5892, 0.4103, 0.4738

Square

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



41.5892, 0.2738, 0.2136



41.5892, 0.4820, 0.3604



41.5892, 0.3321, 0.4871



41.5892, 0.1686, 0.2607

Rectangle

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



41.5892, 0.2738, 0.2136



41.5892, 0.4178, 0.2818



41.5892, 0.3321, 0.4871



41.5892, 0.2107, 0.3737

Sweetspot

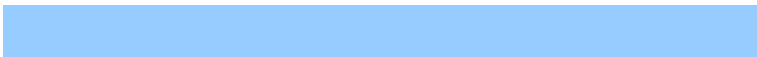
The Sweet Spot groups the original color and five complimentary colors.



41.5909, 0.2738, 0.2136



79.1944, 0.3036, 0.2984



57.0046, 0.2464, 0.2687



16.5079, 0.3025, 0.2948



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.



41.5909, 0.2738, 0.2136



34.3974, 0.2640, 0.1902



49.9595, 0.3160, 0.2270



17.8196, 0.3057, 0.3050



6.1911, 0.2012, 0.0882



0.6677, 0.2135, 0.0950

Inverse Universe

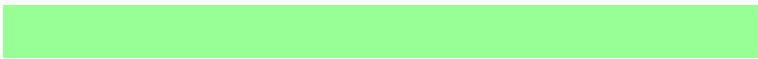
The Inverse Universe completely reimagines the original color for something new.



47.3822, 0.3645, 0.2745



41.0937, 0.3790, 0.2646



80.3603, 0.3077, 0.4565



18.1400, 0.3215, 0.3171



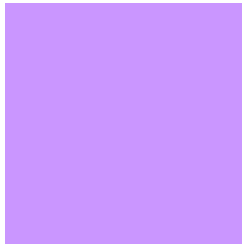
11.9629, 0.4945, 0.2497



1.1869, 0.4693, 0.2359

Previews

White Background



This preview shows how the Yxy color 41.5892, 0.2738, 0.2136 looks on a white background.

Color Contrast Check

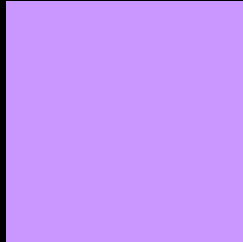
Large Text (above 18pt) WCAG AA × Fail

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 41.5892, 0.2738, 0.2136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

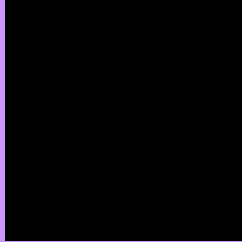
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5892, 0.2738, 0.2136

Background



This preview shows how black text looks on a background with the Yxy color 41.5892, 0.2738, 0.2136.



This preview shows how white text looks on a background with the Yxy color 41.5892, 0.2738, 0.2136.

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

41.5892, 0.2738, 0.2136

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

41.7536, 0.2363, 0.2297



Tritanopia

41.3459, 0.3228, 0.3121

Trichromacy



Original Color

41.5892, 0.2738, 0.2136



Protanomaly

41.4137, 0.2479, 0.2200



Deuteranomaly

41.0092, 0.2482, 0.2224

Tritanomaly

41.1159, 0.3037, 0.2710

Monochromacy



Original Color

41.5892, 0.2738, 0.2136



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.0263, 0.2984, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5892, 0.2738, 0.2136 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(202, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 150, 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(202, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.5892, 0.2738, 0.2136 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(202, 150, 255) }
```

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

```
.border{ border-color:rgb(202, 150, 255) }
```

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

Here you see how a box with a 4 pixel rgb(202, 150, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5892, 0.2738, 0.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 150, 255) }
```

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

```
.background{ background-color: rgb(202,  
150, 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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