

Converting Colors

$Y_{xy}(46.5127, 0.2253, 0.1488)$

Have a look what the booklet for
Yxy(46.5127, 0.2253, 0.1488)
contains.

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Color

Yxy(39.1226, 0.2732, 0.2052)

Conversions

Conversions Part 1

Format	Color
Hex	CA8EFF
RGB	202, 142, 255
RGB Percent	79%, 56%, 100%
CMY	0.2078, 0.4432, 0.0000
CMYK	0.21, 0.44, 0.00, 0.00
HSL	272°, 100%, 78%
HSV	272°, 44%, 100%
XYZ	52.0872, 39.1226, 99.4461
YIQ	172.8220, -0.5130, 47.8630

Conversions

Conversions Part 2

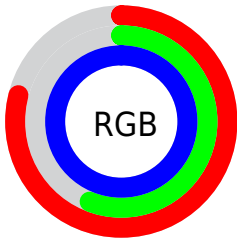
Format	Color
R_{YB}	202, 142, 255
Decimal	13274879
CIE _{Lab}	68.84, 43.48, -47.77
CIE _{LCh}	69, 64.594, 312.306
Yxy	39.1226, 0.2732, 0.2052
Android (android.graphics.Color)	4291464959 (0xFFCA8EFF)
YUV	172.8220, 40.5138, 25.5891
Hunter-Lab	62.5481, 39.1876, -50.4825

Details

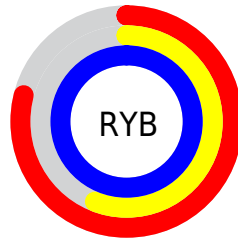
The Yxy color **39.1226, 0.2732, 0.2052** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.0718, 0.3378, 0.4552**, and the grayscale version is **41.4827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **17.5005, 0.2605, 0.1774** is the 20% darker color. If you saturate the color by 10%, you get **30.7787, 0.2613, 0.1764**, and if you desaturate by 10%, it is **49.3291, 0.2842, 0.2349**.

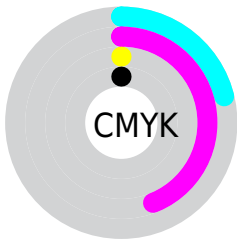
Distribution



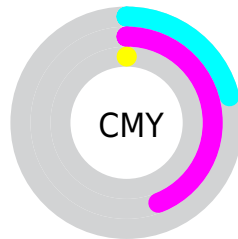
- Red (79%)
- Green (56%)
- Blue (100%)



- Red (79%)
- Yellow (56%)
- Blue (100%)



- Cyan (21%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1226, 0.2732, 0.2052 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 39.1226, 0.2732, 0.2052 by changing the saturation by 10% instead.


 39.1226, 0.2732,
0.2052


 39.1226, 0.2732,
0.2052


342.4115, 0.2946,
0.2620

 26.8551, 0.2676,
0.1927


 73.8256, 0.2812,
0.2246

 17.4644, 0.2604,
0.1775


 97.0299, 0.2842,
0.2322

 10.5662, 0.2507,
0.1590


124.6485, 0.2866,
0.2389

 5.7759, 0.2374,
0.1359

157.0660, 0.2887,
0.2446

 2.7093, 0.2183,
0.1071

194.6666, 0.2905,
0.2497

 0.9819, 0.1894,
0.0717

237.8348, 0.2921,


 0.0000, 0.1493,


0.2543

0.0000


286.9549, 0.2934,
0.2583


 0.0000, 0.0000,
0.0000


 39.1226, 0.2732,
0.2052


 39.1226, 0.2732,
0.2052

 30.7787, 0.2613,
0.1764


 49.3291, 0.2842,
0.2349

 24.1775, 0.2487,
0.1497


 61.5125, 0.2940,
0.2642

 19.1798, 0.2361,
0.1267

 75.7744, 0.3026,
0.2922

 15.6255, 0.2238,
0.1087

 92.2098, 0.3099,
0.3184

 13.3188, 0.2126,
0.0963

100.0000, 0.3127,
0.3290

■ 12.4073, 0.2066,
0.0912

Harmonies

Analogous

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



39.1226, 0.2021, 0.1903



39.1226, 0.2732, 0.2052



39.1226, 0.3693, 0.2436

Triad

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



39.1226, 0.2732, 0.2052



39.1226, 0.4785, 0.4304



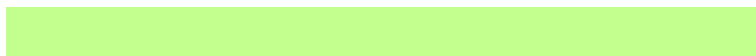
39.1226, 0.1816, 0.3373

Complementary

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



39.1226, 0.2732, 0.2052



85.0718, 0.3378, 0.4552

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.



39.1226, 0.2427, 0.4438



39.1226, 0.2732, 0.2052



39.1226, 0.4138, 0.4885

Square

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



39.1226, 0.2732, 0.2052



39.1226, 0.4992, 0.3634



39.1226, 0.3279, 0.5044



39.1226, 0.1561, 0.2499

Rectangle

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



39.1226, 0.2732, 0.2052



39.1226, 0.4324, 0.2794



39.1226, 0.3279, 0.5044



39.1226, 0.1982, 0.3733

Sweetspot

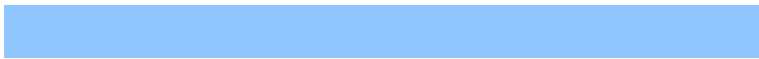
The Sweet Spot groups the original color and five complimentary colors.



39.1217, 0.2732, 0.2052



77.8133, 0.3036, 0.2957



52.7264, 0.2406, 0.2585



15.9286, 0.3019, 0.2898



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.



39.1217, 0.2732, 0.2052



31.7754, 0.2629, 0.1801



47.7025, 0.3194, 0.2219



17.8527, 0.3063, 0.3050



6.5728, 0.2083, 0.0921



0.7050, 0.2202, 0.0987

Inverse Universe

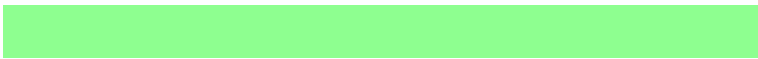
The Inverse Universe completely reimagines the original color for something new.



44.5423, 0.3743, 0.2744



38.0849, 0.3927, 0.2647



79.2797, 0.3053, 0.4660



18.1289, 0.3220, 0.3179



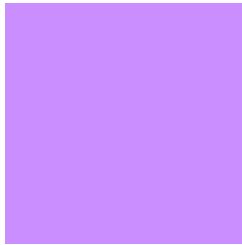
11.8414, 0.5097, 0.2581



1.1748, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 39.1226, 0.2732, 0.2052 looks on a white background.

Color Contrast Check

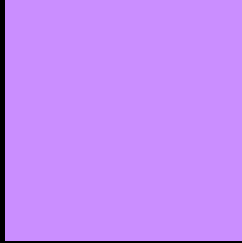
Large Text (above 18pt) WCAG AA × Fail

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 39.1226, 0.2732, 0.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

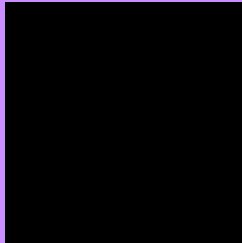
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1226, 0.2732, 0.2052

Background



This preview shows how black text looks on a background with the Yxy color 39.1226, 0.2732, 0.2052.



This preview shows how white text looks on a background with the Yxy color 39.1226, 0.2732, 0.2052.

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

39.1226, 0.2732, 0.2052

Protanopia

39.3645, 0.2301, 0.2174

Deuteranopia

39.4451, 0.2307, 0.2242



Tritanopia

38.8501, 0.3279, 0.3118

Trichromacy



Original Color

39.1226, 0.2732, 0.2052



Protanomaly

38.8075, 0.2435, 0.2119



Deuteranomaly

38.6501, 0.2433, 0.2152

Tritanomaly

38.4317, 0.3063, 0.2665

Monochromacy



Original Color

39.1226, 0.2732, 0.2052



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.3428, 0.2981, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1226, 0.2732, 0.2052 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, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 142, 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, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 142, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.1226, 0.2732, 0.2052 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, 142, 255) }
```

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

```
.border{ border-color:rgb(202, 142, 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, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 142,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1226, 0.2732, 0.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 142, 255) }
```

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

```
.background{ background-color: rgb(202,  
142, 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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