

Converting Colors

$Y_{xy}(39.2419, 0.2479, 0.1681)$

Have a look what the booklet for
Yxy(39.2419, 0.2479, 0.1681)
contains.

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Color

Yxy(36.2791, 0.2725, 0.1952)

Conversions

Conversions Part 1

Format	Color
Hex	CA84FF
RGB	202, 132, 255
RGB Percent	79%, 52%, 100%
CMY	0.2080, 0.4822, 0.0000
CMYK	0.21, 0.48, 0.00, 0.00
HSL	274°, 100%, 76%
HSV	274°, 48%, 100%
XYZ	50.6458, 36.2791, 98.9312
YIQ	166.9520, 2.2370, 53.0930

Conversions

Conversions Part 2

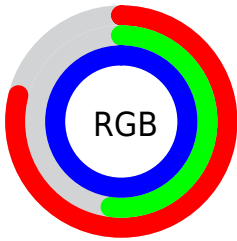
Format	Color
RYB	202, 132, 255
Decimal	13272319
CIELab	66.73, 48.75, -51.07
CIElCh	67, 70.602, 313.670
Yxy	36.2791, 0.2725, 0.1952
Android (android.graphics.Color)	4291462399 (0xFFCA84FF)
YUV	166.9520, 43.4077, 30.7371
Hunter-Lab	60.2321, 44.6843, -55.2212

Details

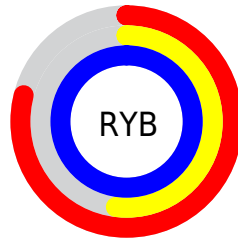
The Yxy color **36.2791, 0.2725, 0.1952** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.5038, 0.3363, 0.4685**, and the grayscale version is **38.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **15.8343, 0.2584, 0.1654** is the 20% darker color. If you saturate the color by 10%, you get **28.7078, 0.2612, 0.1677**, and if you desaturate by 10%, it is **45.6526, 0.2829, 0.2242**.

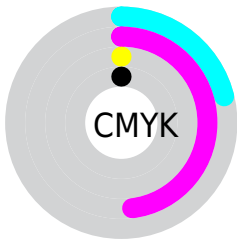
Distribution



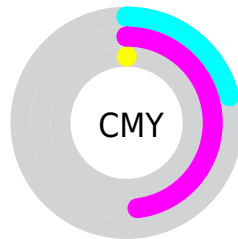
- Red (79%)
- Green (52%)
- Blue (100%)



- Red (79%)
- Yellow (52%)
- Blue (100%)



- Cyan (21%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2791, 0.2725, 0.1952 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 36.2791, 0.2725, 0.1952 by changing the saturation by 10% instead.


 36.2791, 0.2725,
0.1952

 36.2791, 0.2725,
0.1952


330.1788, 0.2948,
0.2564

 24.6498, 0.2666,
0.1818


 69.4626, 0.2809,
0.2161

 15.8164, 0.2589,
0.1657


 91.7857, 0.2840,
0.2243

 9.3943, 0.2486,
0.1460


 118.4421, 0.2866,
0.2314

 4.9993, 0.2342,
0.1218

149.8163, 0.2887,
0.2377

 2.2468, 0.2136,
0.0922

186.2927, 0.2906,
0.2432

 0.7453, 0.1826,
0.0567


228.2556, 0.2922,


 0.0000, 0.1377,


0.2481

0.0000

276.0895, 0.2936,
0.2525


 0.0000, 0.0000,
0.0000


 36.2791, 0.2725,
0.1952


 36.2791, 0.2725,
0.1952


 28.7078, 0.2612,
0.1677


 45.6526, 0.2829,
0.2242


 22.8067, 0.2495,
0.1430


 56.9387, 0.2923,
0.2533

 18.4323, 0.2378,
0.1225

 70.2441, 0.3006,
0.2816

 15.4136, 0.2266,
0.1071

 85.6658, 0.3077,
0.3084

 13.5160, 0.2163,
0.0971

99.9993, 0.3127,
0.3290

■ 13.2380, 0.2145,
0.0955

Harmonies

Analogous

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



36.2791, 0.1938, 0.1777



36.2791, 0.2725, 0.1952



36.2791, 0.3803, 0.2375

Triad

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



36.2791, 0.2725, 0.1952



36.2791, 0.4914, 0.4394



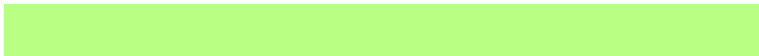
36.2791, 0.1659, 0.3313

Complementary

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



36.2791, 0.2725, 0.1952



83.5038, 0.3363, 0.4685

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.



36.2791, 0.2296, 0.4546



36.2791, 0.2725, 0.1952



36.2791, 0.4167, 0.5062

Square

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



36.2791, 0.2725, 0.1952



36.2791, 0.5201, 0.3662



36.2791, 0.3219, 0.5264



36.2791, 0.1414, 0.2365

Rectangle

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



36.2791, 0.2725, 0.1952



36.2791, 0.4508, 0.2762



36.2791, 0.3219, 0.5264



36.2791, 0.1828, 0.3722

Sweetspot

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



36.2805, 0.2725, 0.1952



76.4949, 0.3037, 0.2931



46.9576, 0.2328, 0.2430



15.6794, 0.3022, 0.2873



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.



36.2805, 0.2725, 0.1952



28.8581, 0.2615, 0.1682



44.4725, 0.3253, 0.2184



17.8875, 0.3069, 0.3051



7.0077, 0.2161, 0.0964



0.7469, 0.2275, 0.1027

Inverse Universe

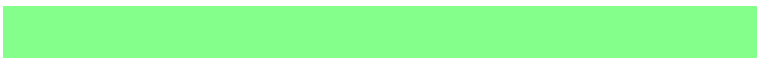
The Inverse Universe completely reimagines the original color for something new.



41.2760, 0.3874, 0.2745



34.7328, 0.4113, 0.2653



78.3217, 0.3019, 0.4726



18.1172, 0.3226, 0.3188



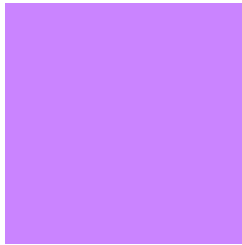
11.7257, 0.5254, 0.2668



1.1631, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 36.2791, 0.2725, 0.1952 looks on a white background.

Color Contrast Check

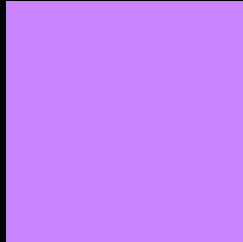
Large Text (above 18pt) WCAG AA × Fail

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 36.2791, 0.2725, 0.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

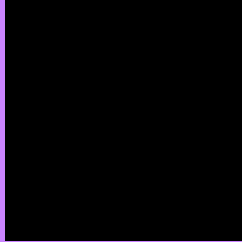
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2791, 0.2725, 0.1952

Background



This preview shows how black text looks on a background with the Yxy color 36.2791, 0.2725, 0.1952.



This preview shows how white text looks on a background with the Yxy color 36.2791, 0.2725, 0.1952.

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

36.2791, 0.2725, 0.1952

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.6733, 0.2233, 0.2168



Tritanopia

36.0639, 0.3356, 0.3129

Trichromacy



Original Color

36.2791, 0.2725, 0.1952



Protanomaly

35.9027, 0.2382, 0.2023



Deuteranomaly

35.5823, 0.2379, 0.2061

Tritanomaly

35.5345, 0.3100, 0.2619

Monochromacy



Original Color

36.2791, 0.2725, 0.1952



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.9380, 0.2978, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2791, 0.2725, 0.1952 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, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 132, 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, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.2791, 0.2725, 0.1952 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, 132, 255) }
```

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

```
.border{ border-color:rgb(202, 132, 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, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2791, 0.2725, 0.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 132, 255) }
```

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

```
.background{ background-color: rgb(202,  
132, 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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