

Converting Colors

$Y_{xy}(39.3476, 0.2732, 0.2060)$

Have a look what the booklet for
Yxy(39.3476, 0.2732, 0.2060)
contains.

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Color

Yxy(39.4215, 0.2733, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	CA8FFF
RGB	202, 143, 255
RGB Percent	79%, 56%, 100%
CMY	0.2079, 0.4392, 0.0001
CMYK	0.21, 0.44, 0.00, 0.00
HSL	272°, 100%, 78%
HSV	272°, 44%, 100%
XYZ	52.2244, 39.4215, 99.4423
YIQ	173.4090, -0.7880, 47.3400

Conversions

Conversions Part 2

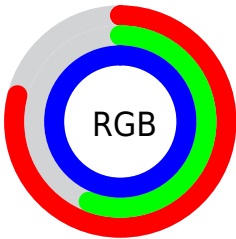
Format	Color
R _Y B	202, 143, 255
Decimal	13275135
CIE Lab	69.06, 42.91, -47.40
CIE LCh	69, 63.934, 312.154
Yxy	39.4215, 0.2733, 0.2063
Android (android.graphics.Color)	4291465215 (0xFFCA8FFF)
YUV	173.4090, 40.2244, 25.0743
Hunter-Lab	62.7865, 38.5958, -49.9539

Details

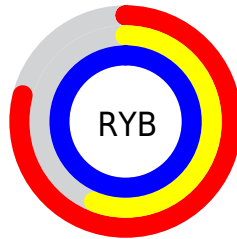
The Yxy color $39.4215, 0.2733, 0.2063$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85.2225, 0.3380, 0.4538$, and the grayscale version is $41.8011, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.8682, 0.3153, 0.2732$, and $17.6704, 0.2607, 0.1786$ is the 20% darker color. If you saturate the color by 10%, you get $30.9995, 0.2613, 0.1773$, and if you desaturate by 10%, it is $49.7178, 0.2843, 0.2360$.

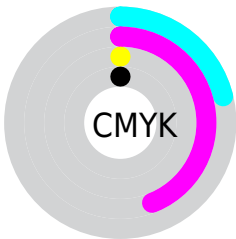
Distribution



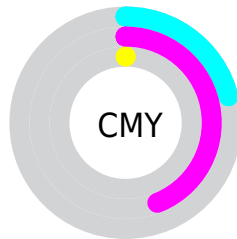
- Red (79%)
- Green (56%)
- Blue (100%)



- 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 39.4215, 0.2733, 0.2063 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 39.4215, 0.2733, 0.2063 by changing the saturation by 10% instead.


 39.4215, 0.2733,
0.2063


 39.4215, 0.2733,
0.2063


343.6792, 0.2946,
0.2626

 27.0878, 0.2677,
0.1939


 74.2818, 0.2813,
0.2255

 17.6392, 0.2606,
0.1788


 97.5771, 0.2842,
0.2331

 10.6912, 0.2510,
0.1604

125.2952, 0.2867,
0.2397

 5.8596, 0.2378,
0.1375

157.8203, 0.2887,
0.2454

 2.7599, 0.2188,
0.1087

195.5368, 0.2905,
0.2505

 1.0077, 0.1902,
0.0733

238.8292, 0.2921,


 0.0000, 0.1506,


0.2550

0.0000

288.0819, 0.2934,
0.2590

 0.0000, 0.0000,
0.0000

 39.4215, 0.2733,
0.2063


 39.4215, 0.2733,
0.2063

 30.9995, 0.2613,
0.1773


 49.7178, 0.2843,
0.2360

 24.3246, 0.2486,
0.1504

 61.9947, 0.2942,
0.2653

 19.2610, 0.2359,
0.1272

 76.3560, 0.3028,
0.2933

 15.6496, 0.2235,
0.1089

 92.8967, 0.3102,
0.3194

 13.2963, 0.2121,
0.0962

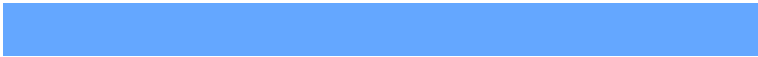
99.9984, 0.3127,
0.3290

■ 12.3129, 0.2058,
0.0907

Harmonies

Analogous

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



39.4215, 0.2030, 0.1917



39.4215, 0.2733, 0.2063



39.4215, 0.3681, 0.2443

Triad

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



39.4215, 0.2733, 0.2063



39.4215, 0.4771, 0.4293



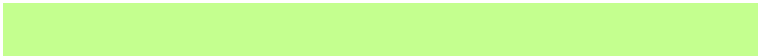
39.4215, 0.1833, 0.3379

Complementary

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



39.4215, 0.2733, 0.2063



85.2225, 0.3380, 0.4538

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.



39.4215, 0.2440, 0.4426



39.4215, 0.2733, 0.2063



39.4215, 0.4134, 0.4866

Square

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



39.4215, 0.2733, 0.2063



39.4215, 0.4970, 0.3631



39.4215, 0.3285, 0.5020



39.4215, 0.1577, 0.2513

Rectangle

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



39.4215, 0.2733, 0.2063



39.4215, 0.4305, 0.2797



39.4215, 0.3285, 0.5020



39.4215, 0.1998, 0.3734

Sweetspot

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



39.4231, 0.2733, 0.2063



77.7882, 0.3035, 0.2957



53.0500, 0.2413, 0.2592



15.9224, 0.3017, 0.2897



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.



39.4231, 0.2733, 0.2063



31.6992, 0.2624, 0.1799



48.0030, 0.3193, 0.2228



17.8486, 0.3062, 0.3050



6.5248, 0.2074, 0.0916



0.7004, 0.2194, 0.0982

Inverse Universe

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



44.8895, 0.3730, 0.2744



38.1094, 0.3920, 0.2641



79.3853, 0.3054, 0.4646



18.1302, 0.3220, 0.3178



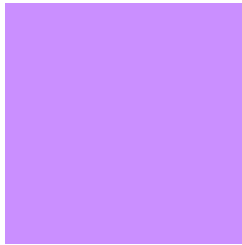
11.8556, 0.5078, 0.2571



1.1762, 0.4809, 0.2423

Previews

White Background



This preview shows how the Yxy color 39.4215, 0.2733, 0.2063 looks on a white background.

Color Contrast Check

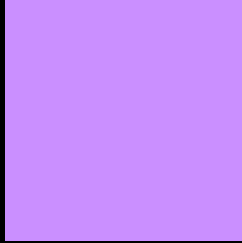
Large Text (above 18pt) WCAG AA × Fail

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 39.4215, 0.2733, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

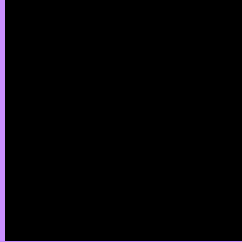
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4215, 0.2733, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 39.4215, 0.2733, 0.2063.



This preview shows how white text looks on a background with the Yxy color 39.4215, 0.2733, 0.2063.

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

39.4215, 0.2733, 0.2063

Protanopia

39.8108, 0.2309, 0.2189

Deuteranopia

39.8939, 0.2315, 0.2256



Tritanopia

39.2371, 0.3269, 0.3119

Trichromacy



Original Color

39.4215, 0.2733, 0.2063



Protanomaly

39.2508, 0.2444, 0.2133



Deuteranomaly

39.0936, 0.2442, 0.2166



Tritanomaly

38.7605, 0.3063, 0.2678

Monochromacy



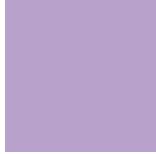
Original Color

39.4215, 0.2733, 0.2063



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 39.4215, 0.2733, 0.2063 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, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 143, 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, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.4215, 0.2733, 0.2063 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, 143, 255) }
```

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

```
.border{ border-color:rgb(202, 143, 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, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4215, 0.2733, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 143, 255) }
```

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

```
.background{ background-color: rgb(202,  
143, 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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