

Converting Colors

$Y_{xy}(47.1267, 0.2758, 0.2308)$

Have a look what the booklet for
Yxy(47.1267, 0.2758, 0.2308)
contains.

Yxy(47.1889, 0.2757, 0.2310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.1889, 0.2757, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	CBA6FF
RGB	203, 166, 255
RGB Percent	80%, 65%, 100%
CMY	0.2039, 0.3490, 0.0000
CMYK	0.20, 0.35, 0.00, 0.00
HSL	265°, 100%, 83%
HSV	265°, 35%, 100%
XYZ	56.3203, 47.1889, 100.7718
YIQ	187.2090, -6.5170, 35.5230

Conversions

Conversions Part 2

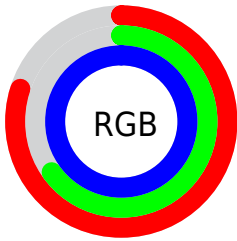
Format	Color
R _Y B	203, 166, 255
Decimal	13346559
CIE Lab	74.31, 30.69, -39.20
CIE LCh	74, 49.786, 308.064
Yxy	47.1889, 0.2757, 0.2310
Android (android.graphics.Color)	4291536639 (0xFFCBA6FF)
YUV	187.2090, 33.4210, 13.8487
Hunter-Lab	68.6942, 26.1319, -38.8903

Details

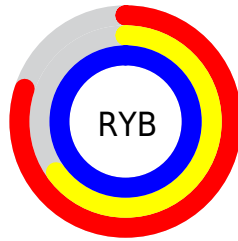
The Yxy color $47.1889, 0.2757, 0.2310$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $89.1759, 0.3403, 0.4242$, and the grayscale version is $49.6285, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $22.3149, 0.2644, 0.2089$ is the 20% darker color. If you saturate the color by 10%, you get $36.8275, 0.2619, 0.1999$, and if you desaturate by 10%, it is $59.5891, 0.2882, 0.2615$.

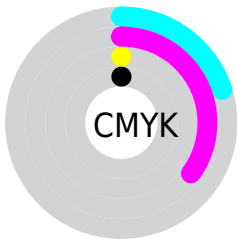
Distribution



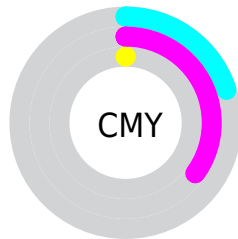
- Red (80%)
- Green (65%)
- Blue (100%)



- Red (80%)
- Yellow (65%)
- Blue (100%)



- Cyan (20%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1889, 0.2757, 0.2310 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 47.1889, 0.2757, 0.2310 by changing the saturation by 10% instead.


 47.1889, 0.2757,
0.2310

 47.1889, 0.2757,
0.2310


375.5680, 0.2947,
0.2761

 33.1850, 0.2709,
0.2209


 85.9955, 0.2826,
0.2465

 22.2682, 0.2649,
0.2086


 111.5670, 0.2852,
0.2526

 14.0541, 0.2569,
0.1934


141.7632, 0.2874,
0.2578

 8.1583, 0.2461,
0.1740

176.9685, 0.2893,
0.2624

 4.1964, 0.2306,
0.1489

217.5672, 0.2909,
0.2664

 1.7840, 0.2075,
0.1159

263.9438, 0.2924,

 0.4772, 0.1722,

0.2700

0.0654

316.4826, 0.2936,
0.2732

0.0000, 0.0565,
0.0000

0.0000, 0.0000,
0.0000

47.1889, 0.2757,
0.2310

47.1889, 0.2757,
0.2310

36.8275, 0.2619,
0.1999

59.5891, 0.2882,
0.2615

28.3900, 0.2472,
0.1692

74.1335, 0.2991,
0.2902

21.7498, 0.2319,
0.1408

90.9205, 0.3086,
0.3168

16.7646, 0.2169,
0.1162

100.0000, 0.3127,
0.3290

■ 13.2691, 0.2029,
0.0971

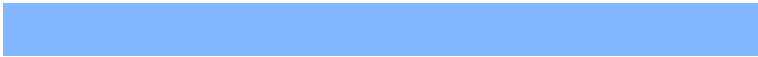
■ 11.0612, 0.1907,
0.0841

■ 10.2874, 0.1852,
0.0794

Harmonies

Analogous

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



47.1889, 0.2234, 0.2228



47.1889, 0.2757, 0.2310



47.1889, 0.3449, 0.2592

Triad

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



47.1889, 0.2757, 0.2310



47.1889, 0.4422, 0.4045



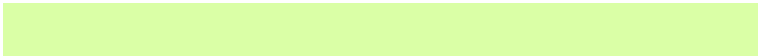
47.1889, 0.2202, 0.3478

Complementary

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



47.1889, 0.2757, 0.2310



89.1759, 0.3403, 0.4242

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.



47.1889, 0.2718, 0.4177



47.1889, 0.2757, 0.2310



47.1889, 0.4005, 0.4449

Square

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



47.1889, 0.2757, 0.2310



47.1889, 0.4477, 0.3532



47.1889, 0.3378, 0.4547



47.1889, 0.1942, 0.2810

Rectangle

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



47.1889, 0.2757, 0.2310



47.1889, 0.3909, 0.2867



47.1889, 0.3378, 0.4547



47.1889, 0.2349, 0.3725

Sweetspot

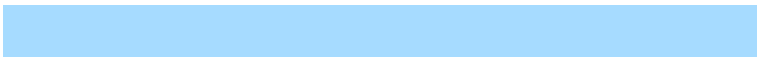
The Sweet Spot groups the original color and five complimentary colors.



47.1889, 0.2757, 0.2310



82.0794, 0.3039, 0.3036



66.1975, 0.2578, 0.2882



17.0690, 0.3026, 0.2998



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.



47.1889, 0.2757, 0.2310



39.6327, 0.2661, 0.2089



54.1016, 0.3096, 0.2402



17.7467, 0.3044, 0.3049



5.4581, 0.1868, 0.0803



0.5938, 0.1994, 0.0872

Inverse Universe

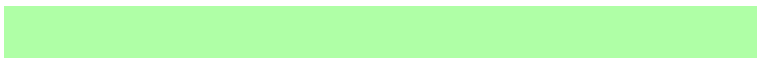
The Inverse Universe completely reimagines the original color for something new.



53.5919, 0.3477, 0.2759



47.0845, 0.3576, 0.2651



83.3749, 0.3130, 0.4328



18.1651, 0.3202, 0.3152



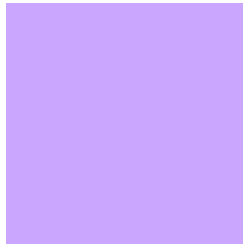
12.2722, 0.4610, 0.2313



1.2167, 0.4406, 0.2201

Previews

White Background



This preview shows how the Yxy color 47.1889, 0.2757, 0.2310 looks on a white background.

Color Contrast Check

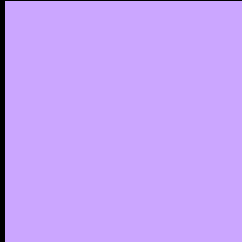
Large Text (above 18pt) WCAG AA × Fail

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 47.1889, 0.2757, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

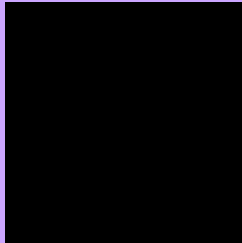
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1889, 0.2757, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 47.1889, 0.2757, 0.2310.



This preview shows how white text looks on a background with the Yxy color 47.1889, 0.2757, 0.2310.

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

47.1889, 0.2757, 0.2310

Protanopia

47.3361, 0.2476, 0.2398

Deuteranopia

47.6531, 0.2500, 0.2442



Tritanopia

47.2969, 0.3127, 0.3115

Trichromacy



Original Color

47.1889, 0.2757, 0.2310

Protanomaly

47.1101, 0.2572, 0.2363

Deuteranomaly

47.3726, 0.2585, 0.2394

Tritanomaly

46.9657, 0.2982, 0.2785

Monochromacy



Original Color

47.1889, 0.2757, 0.2310

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.3311, 0.2988, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1889, 0.2757, 0.2310 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(203, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 166, 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(203, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1889, 0.2757, 0.2310 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(203, 166, 255) }
```

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

```
.border{ border-color:rgb(203, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1889, 0.2757, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 166, 255) }
```

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

```
.background{ background-color: rgb(203,  
166, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor