

Converting Colors

$Y_{xy}(53.4180, 0.2475, 0.1996)$

Have a look what the booklet for
Yxy(53.4180, 0.2475, 0.1996)
contains.

Yxy(50.0487, 0.2756, 0.2397)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0487, 0.2756, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	CAAEEF
RGB	202, 174, 255
RGB Percent	79%, 68%, 100%
CMY	0.2077, 0.3176, 0.0001
CMYK	0.21, 0.32, 0.00, 0.00
HSL	261°, 100%, 84%
HSV	261°, 32%, 100%
XYZ	57.5445, 50.0487, 101.2040
YIQ	191.6060, -9.3130, 31.1270

Conversions

Conversions Part 2

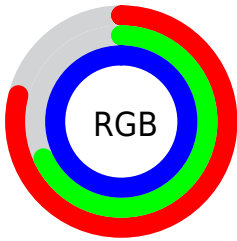
Format	Color
R _Y B	202, 174, 255
Decimal	13283071
CIE Lab	76.10, 26.01, -36.39
CIE LCh	76, 44.729, 305.550
Yxy	50.0487, 0.2756, 0.2397
Android (android.graphics.Color)	4291473151 (0xFFCAA EFF)
YUV	191.6060, 31.2532, 9.1155
Hunter-Lab	70.7451, 21.3891, -35.2954

Details

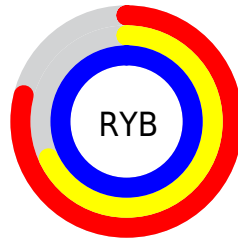
The Yxy color **50.0487, 0.2756, 0.2397** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.8726, 0.3418, 0.4139**, and the grayscale version is **52.2922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **23.9550, 0.2653, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **38.9153, 0.2607, 0.2078**, and if you desaturate by 10%, it is **63.3069, 0.2890, 0.2703**.

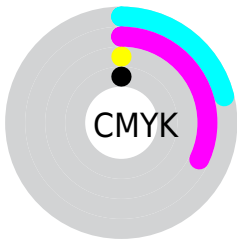
Distribution



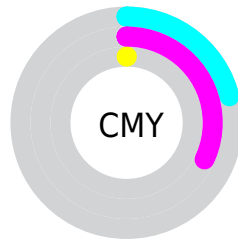
- Red (79%)
- Green (68%)
- Blue (100%)



- Red (79%)
- Yellow (68%)
- Blue (100%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0487, 0.2756, 0.2397 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 50.0487, 0.2756, 0.2397 by changing the saturation by 10% instead.


 50.0487, 0.2756,
0.2397

 50.0487, 0.2756,
0.2397

386.8564, 0.2943,
0.2808

 35.4521, 0.2710,
0.2305


 90.2470, 0.2824,
0.2539

 24.0113, 0.2651,
0.2192


116.6175, 0.2849,
0.2594

 15.3420, 0.2575,
0.2051


147.6815, 0.2871,
0.2642

 9.0598, 0.2472,
0.1872

183.8232, 0.2890,
0.2684

 4.7802, 0.2327,
0.1638

225.4272, 0.2906,
0.2720

 2.1189, 0.2110,
0.1324

272.8778, 0.2920,

 0.6752, 0.1771,

0.2753

0.0882

326.5594, 0.2932,
0.2782

0.0000, 0.0808,
0.0000

0.0000, 0.0000,
0.0000

50.0487, 0.2756,
0.2397

50.0487, 0.2756,
0.2397

38.9153, 0.2607,
0.2078

63.3069, 0.2890,
0.2703

29.7867, 0.2446,
0.1759

78.7891, 0.3009,
0.2987

22.5398, 0.2280,
0.1455

96.5955, 0.3111,
0.3247

17.0350, 0.2116,
0.1185

99.9977, 0.3127,
0.3290

■ 13.1125, 0.1965,
0.0968

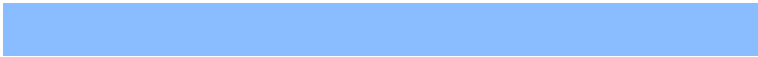
■ 10.5809, 0.1834,
0.0816

■ 9.3061, 0.1745,
0.0735

Harmonies

Analogous

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



50.0487, 0.2301, 0.2343



50.0487, 0.2756, 0.2397



50.0487, 0.3362, 0.2639

Triad

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



50.0487, 0.2756, 0.2397



50.0487, 0.4295, 0.3941



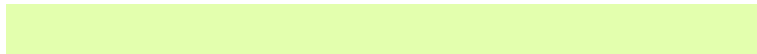
50.0487, 0.2338, 0.3514

Complementary

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



50.0487, 0.2756, 0.2397



90.8726, 0.3418, 0.4139

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.



50.0487, 0.2818, 0.4102



50.0487, 0.2756, 0.2397



50.0487, 0.3955, 0.4300

Square

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



50.0487, 0.2756, 0.2397



50.0487, 0.4304, 0.3480



50.0487, 0.3410, 0.4397



50.0487, 0.2078, 0.2917

Rectangle

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



50.0487, 0.2756, 0.2397



50.0487, 0.3770, 0.2882



50.0487, 0.3410, 0.4397



50.0487, 0.2477, 0.3726

Sweetspot

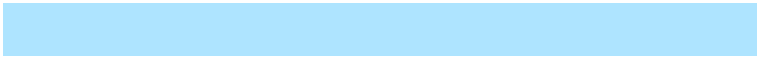
The Sweet Spot groups the original color and five complimentary colors.



50.0507, 0.2756, 0.2397



81.7699, 0.3028, 0.3035



71.6898, 0.2635, 0.2987



16.9944, 0.3012, 0.2997



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.



50.0507, 0.2756, 0.2397



42.8688, 0.2664, 0.2199



56.2731, 0.3058, 0.2472



17.6835, 0.3033, 0.3048



4.9385, 0.1761, 0.0744



0.5387, 0.1883, 0.0811

Inverse Universe

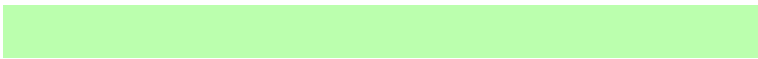
The Inverse Universe completely reimagines the original color for something new.



57.0673, 0.3389, 0.2754



50.9923, 0.3457, 0.2647



85.1802, 0.3164, 0.4211



18.1872, 0.3191, 0.3136



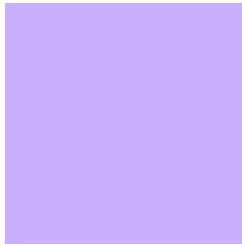
12.5903, 0.4327, 0.2158



1.2465, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 50.0487, 0.2756, 0.2397 looks on a white background.

Color Contrast Check

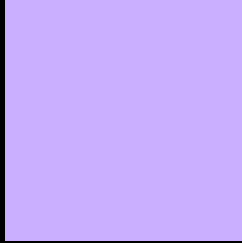
Large Text (above 18pt) WCAG AA × Fail

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 50.0487, 0.2756, 0.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

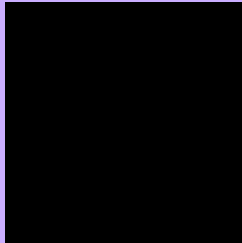
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0487, 0.2756, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 50.0487, 0.2756, 0.2397.

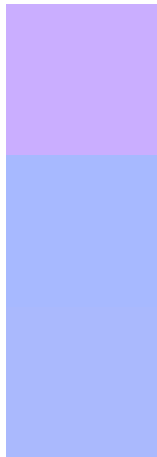


This preview shows how white text looks on a background with the Yxy color 50.0487, 0.2756, 0.2397.

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

50.0487, 0.2756, 0.2397

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.3358, 0.2558, 0.2493



Tritanopia

50.0279, 0.3077, 0.3117

Trichromacy



Original Color

50.0487, 0.2756, 0.2397

Protanomaly

49.9710, 0.2607, 0.2440

Deuteranomaly

50.1486, 0.2627, 0.2453

Tritanomaly

49.8980, 0.2961, 0.2837

Monochromacy



Original Color

50.0487, 0.2756, 0.2397

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.3400, 0.2990, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0487, 0.2756, 0.2397 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 174, 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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.0487, 0.2756, 0.2397 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, 174, 255) }
```

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

```
.border{ border-color:rgb(202, 174, 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, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0487, 0.2756, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 174, 255) }
```

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

```
.background{ background-color: rgb(202,  
174, 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