

Converting Colors

$Y_{xy}(44.4092, 0.2808, 0.2209)$

Have a look what the booklet for
Yxy(44.4092, 0.2808, 0.2209)
contains.

Yxy(44.3643, 0.2805, 0.2208)	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(44.3643, 0.2805, 0.2208)

Conversions

Conversions Part 1

Format	Color
Hex	D29BFF
RGB	210, 155, 255
RGB Percent	82%, 61%, 100%
CMY	0.1763, 0.3922, 0.0000
CMYK	0.18, 0.39, 0.00, 0.00
HSL	273°, 100%, 80%
HSV	273°, 39%, 100%
XYZ	56.3595, 44.3643, 100.2014
YIQ	182.8450, 0.6800, 42.7600

Conversions

Conversions Part 2

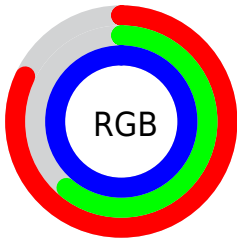
Format	Color
R _Y B	210, 155, 255
Decimal	13802495
CIE Lab	72.47, 38.72, -42.00
CIE LCh	72, 57.124, 312.673
Yxy	44.3643, 0.2805, 0.2208
Android (android.graphics.Color)	4291992575 (0xFFD29BFF)
YUV	182.8450, 35.5724, 23.8149
Hunter-Lab	66.6065, 34.4775, -42.5700

Details

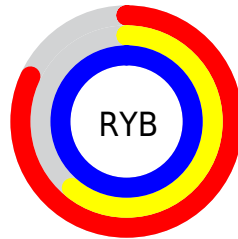
The Yxy color $44.3643, 0.2805, 0.2208$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86.1564, 0.3344, 0.4400$, and the grayscale version is $47.0680, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.5732, 0.3148, 0.2851$, and $20.6477, 0.2704, 0.1968$ is the 20% darker color. If you saturate the color by 10%, you get $35.1340, 0.2695, 0.1916$, and if you desaturate by 10%, it is $55.5103, 0.2904, 0.2502$.

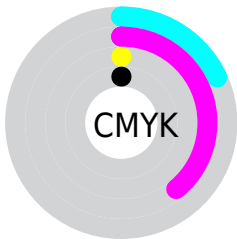
Distribution



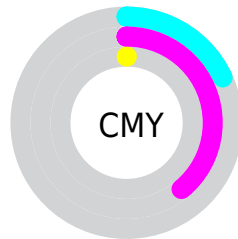
- Red (82%)
- Green (61%)
- Blue (100%)



- Red (82%)
- Yellow (61%)
- Blue (100%)



- Cyan (18%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3643, 0.2805, 0.2208 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 44.3643, 0.2805, 0.2208 by changing the saturation by 10% instead.


 44.3643, 0.2805,
0.2208

 44.3643, 0.2805,
0.2208

364.1928, 0.2977,
0.2703

 30.9570, 0.2761,
0.2098


 81.7656, 0.2869,
0.2377

 20.5661, 0.2703,
0.1965


 106.5285, 0.2893,
0.2444

 12.8072, 0.2627,
0.1800


135.8453, 0.2912,
0.2502

 7.2959, 0.2522,
0.1593

170.1005, 0.2929,
0.2552

 3.6479, 0.2370,
0.1329

209.6784, 0.2944,
0.2597

 1.4786, 0.2138,
0.0988

254.9636, 0.2956,

 0.2736, 0.1796,

0.2636

0.0390

306.3402, 0.2967,
0.2671

0.0000, 0.0584,
0.0000

0.0000, 0.0000,
0.0000

44.3643, 0.2805,
0.2208

44.3643, 0.2805,
0.2208

35.1340, 0.2695,
0.1916

55.5103, 0.2904,
0.2502

27.6981, 0.2577,
0.1640

68.6733, 0.2992,
0.2787

21.9290, 0.2455,
0.1393

83.9531, 0.3068,
0.3058

17.6791, 0.2334,
0.1190

100.0000, 0.3127,
0.3290

■ 14.7737, 0.2219,
0.1040

■ 12.9507, 0.2115,
0.0941

■ 12.8296, 0.2107,
0.0934

Harmonies

Analogous

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



44.3643, 0.2173, 0.2075



44.3643, 0.2805, 0.2208



44.3643, 0.3626, 0.2555

Triad

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



44.3643, 0.2805, 0.2208



44.3643, 0.4567, 0.4215



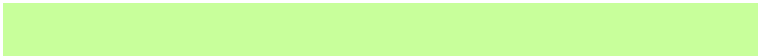
44.3643, 0.1991, 0.3365

Complementary

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



44.3643, 0.2805, 0.2208



86.1564, 0.3344, 0.4400

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.



44.3643, 0.2533, 0.4234



44.3643, 0.2805, 0.2208



44.3643, 0.4021, 0.4677

Square

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



44.3643, 0.2805, 0.2208



44.3643, 0.4724, 0.3633



44.3643, 0.3277, 0.4754



44.3643, 0.1755, 0.2621

Rectangle

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



44.3643, 0.2805, 0.2208



44.3643, 0.4154, 0.2876



44.3643, 0.3277, 0.4754



44.3643, 0.2140, 0.3661

Sweetspot

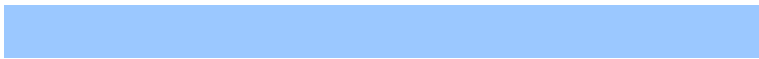
The Sweet Spot groups the original color and five complimentary colors.



44.3660, 0.2805, 0.2208



79.4909, 0.3048, 0.2985



55.4913, 0.2483, 0.2639



16.5777, 0.3038, 0.2950



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.



44.3660, 0.2805, 0.2208



37.0260, 0.2720, 0.1980



51.5993, 0.3213, 0.2361



17.8707, 0.3066, 0.3051



6.7937, 0.2123, 0.0943



0.7264, 0.2240, 0.1008

Inverse Universe

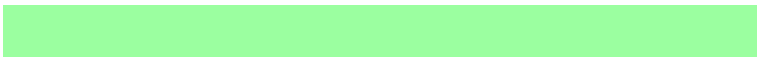
The Inverse Universe completely reimagines the original color for something new.



48.8643, 0.3665, 0.2826



42.3046, 0.3823, 0.2736



81.0245, 0.3046, 0.4437



18.1228, 0.3223, 0.3184



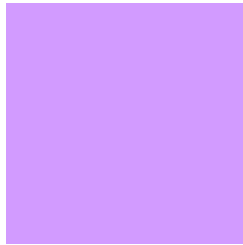
11.7800, 0.5179, 0.2626



1.1686, 0.4898, 0.2472

Previews

White Background



This preview shows how the Yxy color 44.3643, 0.2805, 0.2208 looks on a white background.

Color Contrast Check

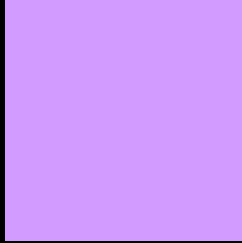
Large Text (above 18pt) WCAG AA × Fail

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 44.3643, 0.2805, 0.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

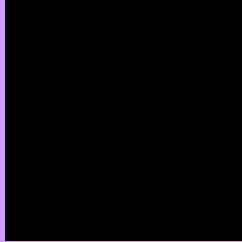
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3643, 0.2805, 0.2208

Background



This preview shows how black text looks on a background with the Yxy color 44.3643, 0.2805, 0.2208.



This preview shows how white text looks on a background with the Yxy color 44.3643, 0.2805, 0.2208.

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

44.3643, 0.2805, 0.2208

Protanopia

44.5553, 0.2417, 0.2325

Deuteranopia

44.6911, 0.2440, 0.2377



Tritanopia

44.1741, 0.3271, 0.3127

Trichromacy



Original Color

44.3643, 0.2805, 0.2208



Protanomaly

44.1095, 0.2542, 0.2275



Deuteranomaly

43.9178, 0.2559, 0.2303



Tritanomaly

44.0703, 0.3090, 0.2761

Monochromacy



Original Color

44.3643, 0.2805, 0.2208



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.8280, 0.3011, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3643, 0.2805, 0.2208 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(210, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 155, 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(210, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3643, 0.2805, 0.2208 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(210, 155, 255) }
```

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

```
.border{ border-color:rgb(210, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3643, 0.2805, 0.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 155, 255) }
```

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

```
.background{ background-color: rgb(210,  
155, 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