

Converting Colors

$Y_{xy}(44.1648, 0.2677, 0.1953)$

Have a look what the booklet for
Yxy(44.1648, 0.2677, 0.1953)
contains.

Yxy(42.5345, 0.2841, 0.2139)	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(42.5345, 0.2841, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	D793FF
RGB	215, 147, 255
RGB Percent	84%, 58%, 100%
CMY	0.1571, 0.4234, 0.0001
CMYK	0.16, 0.42, 0.00, 0.00
HSL	278°, 100%, 79%
HSV	278°, 42%, 100%
XYZ	56.4939, 42.5345, 99.8238
YIQ	179.6440, 5.8600, 48.0040

Conversions

Conversions Part 2

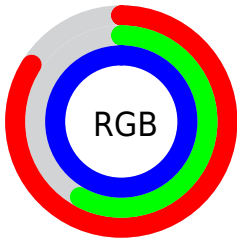
Format	Color
R _Y B	215, 147, 255
Decimal	14128127
CIE Lab	71.24, 44.37, -43.88
CIE LCh	71, 62.404, 315.317
Yxy	42.5345, 0.2841, 0.2139
Android (android.graphics.Color)	4292318207 (0xFFD793FF)
YUV	179.6440, 37.1505, 31.0072
Hunter-Lab	65.2185, 40.4890, -45.0967

Details

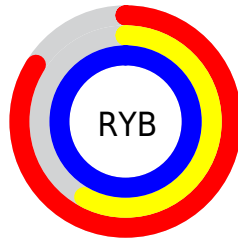
The Yxy color **42.5345, 0.2841, 0.2139** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.1890, 0.3302, 0.4518**, and the grayscale version is **45.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **19.5307, 0.2740, 0.1885** is the 20% darker color. If you saturate the color by 10%, you get **34.0736, 0.2749, 0.1863**, and if you desaturate by 10%, it is **52.8390, 0.2925, 0.2423**.

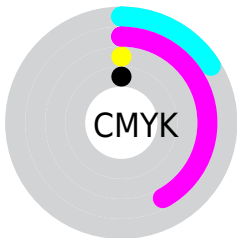
Distribution



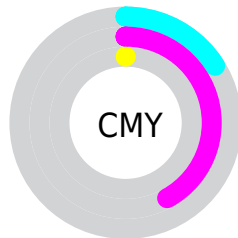
- Red (84%)
- Green (58%)
- Blue (100%)



- Red (84%)
- Yellow (58%)
- Blue (100%)



- Cyan (16%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5345, 0.2841, 0.2139 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 42.5345, 0.2841, 0.2139 by changing the saturation by 10% instead.


 42.5345, 0.2841,
0.2139

 42.5345, 0.2841,
0.2139


356.6939, 0.2999,
0.2664

 29.5200, 0.2799,
0.2023


 79.0079, 0.2901,
0.2318

 19.4746, 0.2745,
0.1883


 103.2357, 0.2922,
0.2389

 12.0137, 0.2671,
0.1711


131.9700, 0.2941,
0.2450

 6.7530, 0.2569,
0.1496

165.5953, 0.2956,
0.2503

 3.3081, 0.2419,
0.1224

204.4959, 0.2969,
0.2551

 1.2946, 0.2187,
0.0880

249.0563, 0.2980,

 0.1370, 0.1859,

0.2592

0.0201

299.6608, 0.2990,
0.2630

0.0000, 0.0620,
0.0000

0.0000, 0.0000,
0.0000

42.5345, 0.2841,
0.2139

42.5345, 0.2841,
0.2139

34.0736, 0.2749,
0.1863

52.8390, 0.2925,
0.2423

27.3322, 0.2650,
0.1609

65.0898, 0.2998,
0.2706

22.1790, 0.2548,
0.1390

79.3883, 0.3062,
0.2977

18.4606, 0.2447,
0.1216

95.8268, 0.3116,
0.3233

■ 15.9917, 0.2350,
0.1094

99.9988, 0.3127,
0.3290

■ 14.7359, 0.2280,
0.1030

Harmonies

Analogous

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



42.5345, 0.2132, 0.1972



42.5345, 0.2841, 0.2139



42.5345, 0.3756, 0.2528

Triad

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



42.5345, 0.2841, 0.2139



42.5345, 0.4658, 0.4331



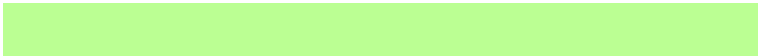
42.5345, 0.1846, 0.3278

Complementary

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



42.5345, 0.2841, 0.2139



84.1890, 0.3302, 0.4518

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.



42.5345, 0.2400, 0.4269



42.5345, 0.2841, 0.2139



42.5345, 0.4022, 0.4841

Square

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



42.5345, 0.2841, 0.2139



42.5345, 0.4893, 0.3697



42.5345, 0.3198, 0.4904



42.5345, 0.1630, 0.2488

Rectangle

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



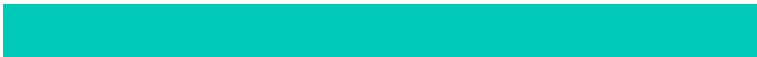
42.5345, 0.2841, 0.2139



42.5345, 0.4331, 0.2880



42.5345, 0.3198, 0.4904



42.5345, 0.1994, 0.3607

Sweetspot

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



42.5363, 0.2841, 0.2139



78.3854, 0.3058, 0.2960



49.5686, 0.2416, 0.2487



16.0700, 0.3045, 0.2901



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.



42.5363, 0.2841, 0.2139



35.1070, 0.2762, 0.1899



48.5687, 0.3282, 0.2353



17.9440, 0.3078, 0.3051



7.7889, 0.2295, 0.1038



0.8206, 0.2398, 0.1095

Inverse Universe

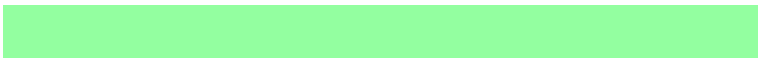
The Inverse Universe completely reimagines the original color for something new.



45.7253, 0.3813, 0.2875



38.9386, 0.4031, 0.2796



80.2394, 0.3005, 0.4456



18.0985, 0.3236, 0.3202



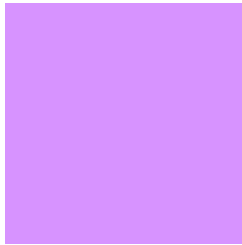
11.5628, 0.5502, 0.2804



1.1461, 0.5191, 0.2633

Previews

White Background



This preview shows how the Yxy color 42.5345, 0.2841, 0.2139 looks on a white background.

Color Contrast Check

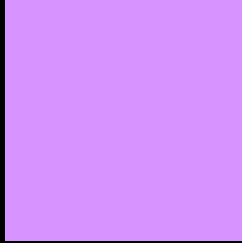
Large Text (above 18pt) WCAG AA × Fail

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 42.5345, 0.2841, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

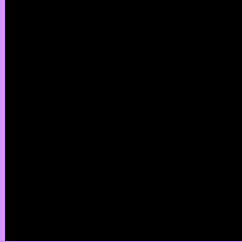
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5345, 0.2841, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 42.5345, 0.2841, 0.2139.



This preview shows how white text looks on a background with the Yxy color 42.5345, 0.2841, 0.2139.

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

42.5345, 0.2841, 0.2139

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.9003, 0.2403, 0.2340



Tritanopia

42.4218, 0.3380, 0.3128

Trichromacy



Original Color

42.5345, 0.2841, 0.2139



Protanomaly

42.0723, 0.2520, 0.2212



Deuteranomaly

42.2371, 0.2539, 0.2251



Tritanomaly

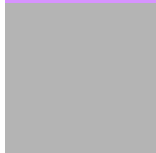
42.1269, 0.3172, 0.2728

Monochromacy



Original Color

42.5345, 0.2841, 0.2139



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.8477, 0.3027, 0.2809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5345, 0.2841, 0.2139 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(215, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 147, 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(215, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 147, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.5345, 0.2841, 0.2139 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(215, 147, 255) }
```

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

```
.border{ border-color:rgb(215, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 147, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 147, 255); box-shadow:4px 4px 4px 4px rgb(215, 147, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5345, 0.2841, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 147, 255) }
```

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

```
.background{ background-color: rgb(215,  
147, 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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