

Converting Colors

$Y_{xy}(42.1816, 0.2849, 0.2125)$

Have a look what the booklet for
Yxy(42.1816, 0.2849, 0.2125)
contains.

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Color

Yxy(42.0697, 0.2849, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	D891FF
RGB	216, 145, 255
RGB Percent	85%, 57%, 100%
CMY	0.1527, 0.4315, 0.0000
CMYK	0.15, 0.43, 0.00, 0.00
HSL	279°, 100%, 78%
HSV	279°, 43%, 100%
XYZ	56.5095, 42.0697, 99.7693
YIQ	178.7690, 7.0060, 49.2620

Conversions

Conversions Part 2

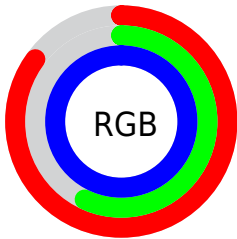
Format	Color
R _Y B	216, 145, 255
Decimal	14193151
CIE Lab	70.92, 45.78, -44.40
CIE LCh	71, 63.774, 315.881
Yxy	42.0697, 0.2849, 0.2121
Android (android.graphics.Color)	4292383231 (0xFFD891FF)
YUV	178.7690, 37.5819, 32.6516
Hunter-Lab	64.8612, 42.0088, -45.7969

Details

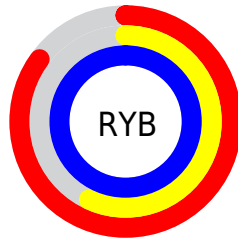
The Yxy color **42.0697, 0.2849, 0.2121** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.7431, 0.3292, 0.4549**, and the grayscale version is **44.7434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **19.1024, 0.2748, 0.1854** is the 20% darker color. If you saturate the color by 10%, you get **33.7963, 0.2761, 0.1850**, and if you desaturate by 10%, it is **52.1675, 0.2929, 0.2403**.

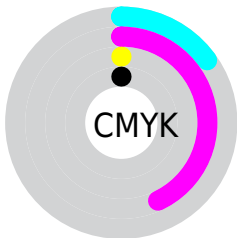
Distribution



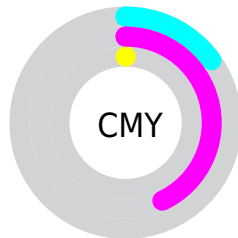
- Red (85%)
- Green (57%)
- Blue (100%)



- Red (85%)
- Yellow (57%)
- Blue (100%)



- Cyan (15%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0697, 0.2849, 0.2121 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 42.0697, 0.2849, 0.2121 by changing the saturation by 10% instead.


 42.0697, 0.2849,
0.2121

 42.0697, 0.2849,
0.2121


354.7718, 0.3004,
0.2653

 29.1559, 0.2808,
0.2004


 78.3051, 0.2908,
0.2303

 19.1988, 0.2754,
0.1862


 102.3955, 0.2929,
0.2374

 11.8140, 0.2681,
0.1688

130.9801, 0.2947,
0.2436

 6.6171, 0.2579,
0.1471

164.4435, 0.2962,
0.2491

 3.2238, 0.2429,
0.1197

203.1699, 0.2975,
0.2538

 1.2497, 0.2197,
0.0852

247.5439, 0.2986,

 0.1017, 0.1873,

0.2581

0.0150

297.9497, 0.2995,
0.2619

■ 0.0000, 0.0625,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0697, 0.2849,
0.2121

■ 42.0697, 0.2849,
0.2121

■ 33.7963, 0.2761,
0.1850

■ 52.1675, 0.2929,
0.2403

■ 27.2272, 0.2666,
0.1601

■ 64.1978, 0.3000,
0.2684

■ 22.2281, 0.2569,
0.1389

■ 78.2607, 0.3061,
0.2956

■ 18.6439, 0.2472,
0.1222

■ 94.4492, 0.3113,
0.3213

■ 16.2860, 0.2380,
0.1106

100.0000, 0.3127,
0.3290

■ 15.1924, 0.2320,
0.1052

Harmonies

Analogous

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



42.0697, 0.2121, 0.1947



42.0697, 0.2849, 0.2121



42.0697, 0.3789, 0.2520

Triad

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



42.0697, 0.2849, 0.2121



42.0697, 0.4680, 0.4358



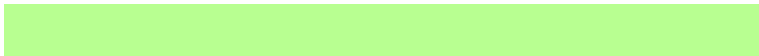
42.0697, 0.1810, 0.3256

Complementary

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



42.0697, 0.2849, 0.2121



83.7431, 0.3292, 0.4549

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.



42.0697, 0.2367, 0.4279



42.0697, 0.2849, 0.2121



42.0697, 0.4022, 0.4882

Square

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



42.0697, 0.2849, 0.2121



42.0697, 0.4936, 0.3711



42.0697, 0.3179, 0.4945



42.0697, 0.1598, 0.2455

Rectangle

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



42.0697, 0.2849, 0.2121



42.0697, 0.4377, 0.2880



42.0697, 0.3179, 0.4945



42.0697, 0.1958, 0.3594

Sweetspot

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



42.0699, 0.2849, 0.2121



78.4852, 0.3062, 0.2960



48.0672, 0.2398, 0.2445



16.0947, 0.3049, 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.



42.0699, 0.2849, 0.2121



34.6574, 0.2771, 0.1880



47.8130, 0.3302, 0.2351



17.9599, 0.3081, 0.3052



8.0251, 0.2334, 0.1059



0.8426, 0.2434, 0.1114

Inverse Universe

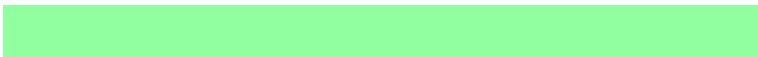
The Inverse Universe completely reimagines the original color for something new.



44.9592, 0.3852, 0.2886



38.1545, 0.4084, 0.2811



80.0627, 0.2994, 0.4460



18.0933, 0.3238, 0.3206



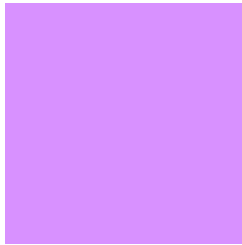
11.5224, 0.5568, 0.2841



1.1417, 0.5253, 0.2668

Previews

White Background



This preview shows how the Yxy color 42.0697, 0.2849, 0.2121 looks on a white background.

Color Contrast Check

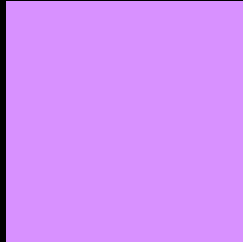
Large Text (above 18pt) WCAG AA × Fail

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 42.0697, 0.2849, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

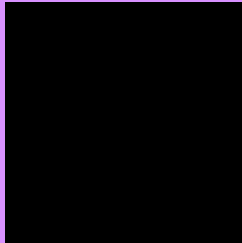
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0697, 0.2849, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 42.0697, 0.2849, 0.2121.



This preview shows how white text looks on a background with the Yxy color 42.0697, 0.2849, 0.2121.

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

42.0697, 0.2849, 0.2121

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.3365, 0.2388, 0.2324



Tritanopia

42.1269, 0.3410, 0.3140

Trichromacy



Original Color

42.0697, 0.2849, 0.2121



Protanomaly

41.7186, 0.2519, 0.2200



Deuteranomaly

41.4150, 0.2529, 0.2226

Tritanomaly

41.5465, 0.3191, 0.2717

Monochromacy



Original Color

42.0697, 0.2849, 0.2121



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.3489, 0.3019, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0697, 0.2849, 0.2121 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(216, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 145, 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(216, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0697, 0.2849, 0.2121 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(216, 145, 255) }
```

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

```
.border{ border-color:rgb(216, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0697, 0.2849, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 145, 255) }
```

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

```
.background{ background-color: rgb(216,  
145, 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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