

Converting Colors

$Y_{xy}(42.1875, 0.2737, 0.2165)$

Have a look what the booklet for
Yxy(42.1875, 0.2737, 0.2165)
contains.

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Color

Yxy(42.0297, 0.2738, 0.2163)

Conversions

Conversions Part 1

Format	Color
Hex	C998FE
RGB	201, 152, 254
RGB Percent	79%, 60%, 100%
CMY	0.2118, 0.4039, 0.0039
CMYK	0.21, 0.40, 0.00, 0.00
HSL	269°, 98%, 80%
HSV	269°, 40%, 100%
XYZ	53.2026, 42.0297, 99.0797
YIQ	178.2790, -3.5380, 42.1100

Conversions

Conversions Part 2

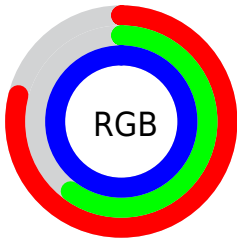
Format	Color
RYB	201, 152, 254
Decimal	13211902
CIELab	70.89, 37.54, -44.00
CIElCh	71, 57.832, 310.470
Yxy	42.0297, 0.2738, 0.2163
Android (android.graphics.Color)	4291401982 (0xFFC998FE)
YUV	178.2790, 37.3305, 19.9263
Hunter-Lab	64.8303, 33.0320, -45.2313

Details

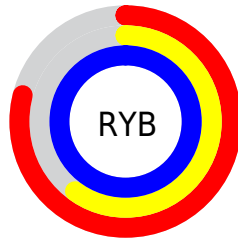
The Yxy color $42.0297, 0.2738, 0.2163$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86.1388, 0.3395, 0.4411$, and the grayscale version is $44.4769, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $19.1653, 0.2615, 0.1905$ is the 20% darker color. If you saturate the color by 10%, you get $32.8979, 0.2610, 0.1862$, and if you desaturate by 10%, it is $53.0876, 0.2855, 0.2465$.

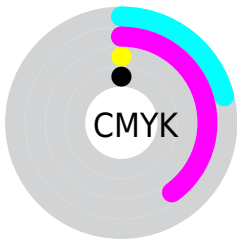
Distribution



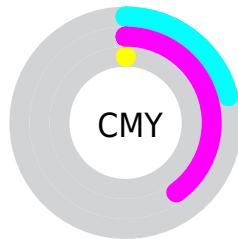
- Red (79%)
- Green (60%)
- Blue (100%)



- Red (79%)
- Yellow (60%)
- Blue (100%)



- Cyan (21%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0297, 0.2738, 0.2163 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 42.0297, 0.2738, 0.2163 by changing the saturation by 10% instead.


 42.0297, 0.2738,
0.2163


 42.0297, 0.2738,
0.2163

354.6060, 0.2944,
0.2682

 29.1245, 0.2685,
0.2048


 78.2446, 0.2814,
0.2341

 19.1751, 0.2617,
0.1907


 102.3231, 0.2843,
0.2411

 11.7968, 0.2527,
0.1734


130.8948, 0.2866,
0.2471

 6.6055, 0.2403,
0.1517

164.3442, 0.2887,
0.2524

 3.2166, 0.2225,
0.1240

203.0556, 0.2904,
0.2571

 1.2459, 0.1958,
0.0888

247.4135, 0.2919,

 0.0987, 0.1586,

0.2612

0.0153

297.8022, 0.2932,
0.2649

0.0000, 0.0000,
0.0000

42.0297, 0.2738,
0.2163

42.0297, 0.2738,
0.2163

32.8979, 0.2610,
0.1862

53.0876, 0.2855,
0.2465

25.5694, 0.2474,
0.1575

66.1738, 0.2959,
0.2757

19.9147, 0.2335,
0.1320

81.3895, 0.3049,
0.3033

15.7843, 0.2200,
0.1110

98.8274, 0.3126,
0.3286

13.0000, 0.2075,
0.0956

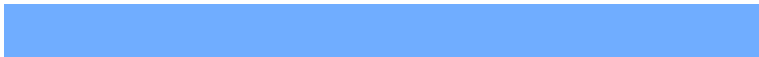
99.9362, 0.3133,
0.3299

■ 11.2916, 0.1966,
0.0857

Harmonies

Analogous

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



42.0297, 0.2111, 0.2044



42.0297, 0.2738, 0.2163



42.0297, 0.3576, 0.2503

Triad

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



42.0297, 0.2738, 0.2163



42.0297, 0.4633, 0.4192



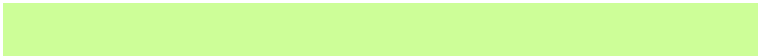
42.0297, 0.1990, 0.3431

Complementary

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



42.0297, 0.2738, 0.2163



86.1388, 0.3395, 0.4411

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.



42.0297, 0.2564, 0.4325



42.0297, 0.2738, 0.2163



42.0297, 0.4092, 0.4689

Square

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



42.0297, 0.2738, 0.2163



42.0297, 0.4763, 0.3591



42.0297, 0.3335, 0.4817



42.0297, 0.1727, 0.2644

Rectangle

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



42.0297, 0.2738, 0.2163



42.0297, 0.4130, 0.2824



42.0297, 0.3335, 0.4817



42.0297, 0.2149, 0.3740

Sweetspot

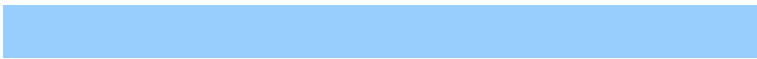
The Sweet Spot groups the original color and five complimentary colors.



42.0314, 0.2738, 0.2163



79.1136, 0.3033, 0.2983



58.1719, 0.2484, 0.2726



16.4889, 0.3022, 0.2948



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.



42.0314, 0.2738, 0.2163



35.0107, 0.2638, 0.1926



50.0521, 0.3145, 0.2289



17.8056, 0.3054, 0.3050



6.0394, 0.1983, 0.0866



0.6526, 0.2107, 0.0934

Inverse Universe

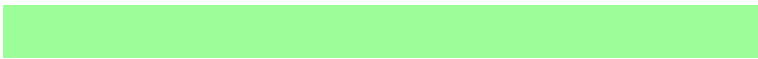
The Inverse Universe completely reimagines the original color for something new.



47.9409, 0.3612, 0.2743



41.9215, 0.3751, 0.2640



80.1646, 0.3088, 0.4525



18.1448, 0.3212, 0.3167



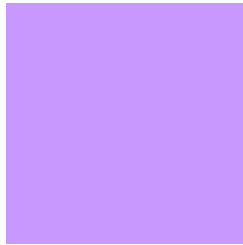
12.0176, 0.4880, 0.2462



1.1922, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 42.0297, 0.2738, 0.2163 looks on a white background.

Color Contrast Check

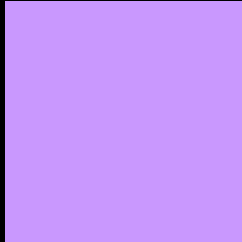
Large Text (above 18pt) WCAG AA × Fail

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 42.0297, 0.2738, 0.2163 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 42.0297, 0.2738, 0.2163

Background



This preview shows how black text looks on a background with the Yxy color 42.0297, 0.2738, 0.2163.



This preview shows how white text looks on a background with the Yxy color 42.0297, 0.2738, 0.2163.

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

42.0297, 0.2738, 0.2163

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.3365, 0.2388, 0.2324



Tritanopia

42.0328, 0.3199, 0.3121

Trichromacy



Original Color

42.0297, 0.2738, 0.2163



Protanomaly

41.7703, 0.2481, 0.2212



Deuteranomaly

41.8746, 0.2505, 0.2261



Tritanomaly

41.7322, 0.3020, 0.2722

Monochromacy



Original Color

42.0297, 0.2738, 0.2163



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.2713, 0.2975, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0297, 0.2738, 0.2163 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(201, 152, 254)` looks like.

```
.text, #text, p{  
    color:rgb(201, 152, 254)  
}
```

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(201, 152, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 152, 254) }
```

Border

The CSS property to change the border of an element to Yxy 42.0297, 0.2738, 0.2163 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(201, 152, 254) }
```

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

```
.border{ border-color:rgb(201, 152, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 152, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 152, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 152, 254);  
box-shadow:4px 4px 4px 4px rgb(201, 152,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0297, 0.2738, 0.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 152, 254) }
```

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

```
.background{ background-color: rgb(201,  
152, 254) }
```

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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