

Converting Colors

$Y_{xy}(42.5370, 0.2890, 0.2296)$

Have a look what the booklet for
Yxy(42.5370, 0.2890, 0.2296)
contains.

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Color

Yxy(42.4226, 0.2889, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	D198F2
RGB	209, 152, 242
RGB Percent	82%, 60%, 95%
CMY	0.1805, 0.4038, 0.0510
CMYK	0.14, 0.37, 0.00, 0.05
HSL	278°, 78%, 77%
HSV	278°, 37%, 95%
XYZ	53.5425, 42.4226, 89.3673
YIQ	179.3030, 5.0820, 40.0740

Conversions

Conversions Part 2

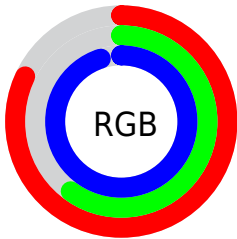
Format	Color
R _{YB}	209, 152, 242
Decimal	13736178
CIE _{Lab}	71.16, 37.25, -36.98
CIE _{LCh}	71, 52.486, 315.208
Yxy	42.4226, 0.2889, 0.2289
Android (android.graphics.Color)	4291926258 (0xFFD198F2)
YUV	179.3030, 30.9096, 26.0443
Hunter-Lab	65.1326, 32.7545, -35.7579

Details

The Yxy color $42.4226, 0.2889, 0.2289$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $76.0897, 0.3284, 0.4350$, and the grayscale version is $45.0798, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $19.4318, 0.2802, 0.2050$ is the 20% darker color. If you saturate the color by 10%, you get $34.0934, 0.2802, 0.2009$, and if you desaturate by 10%, it is $52.4300, 0.2966, 0.2572$.

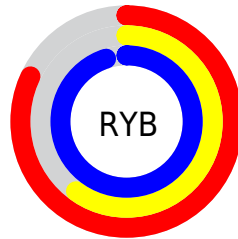
Distribution



Red (82%)

Green (60%)

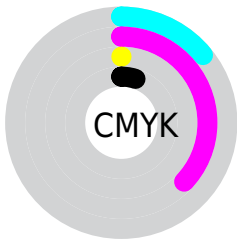
Blue (95%)



Red (82%)

Yellow (60%)

Blue (95%)

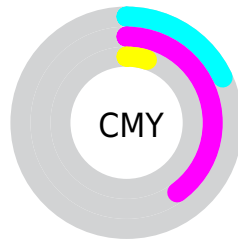


Cyan (14%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (18%)


Magenta (40%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4226, 0.2889, 0.2289 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 42.4226, 0.2889, 0.2289 by changing the saturation by 10% instead.

 42.4226, 0.2889,
0.2289


 42.4226, 0.2889,
0.2289


356.2318, 0.3020,
0.2754

 29.4323, 0.2854,
0.2184


 78.8388, 0.2939,
0.2450

 19.4081, 0.2808,
0.2055


 103.0336, 0.2957,
0.2513

 11.9655, 0.2745,
0.1893


131.7319, 0.2972,
0.2567

 6.7202, 0.2657,
0.1687

165.3183, 0.2985,
0.2614

 3.2878, 0.2524,
0.1418

204.1771, 0.2995,
0.2656

 1.2837, 0.2311,
0.1062

248.6927, 0.3005,

 0.1286, 0.2016,

0.2692

0.0248

299.2494, 0.3013,
0.2725

0.0000, 0.0000,
0.0000

42.4226, 0.2889,
0.2289

42.4226, 0.2889,
0.2289

34.0934, 0.2802,
0.2009

52.4300, 0.2966,
0.2572

27.3379, 0.2708,
0.1743

64.2013, 0.3034,
0.2849

22.0479, 0.2609,
0.1505

77.8224, 0.3092,
0.3112

18.0985, 0.2508,
0.1307

93.3722, 0.3140,
0.3357

15.3437, 0.2410,
0.1157

98.8851, 0.3192,
0.3415

■ 13.5943, 0.2317,
0.1059

■ 99.1906, 0.3203,
0.3415

■ 13.1996, 0.2292,
0.1036

Harmonies

Analogous

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



42.4226, 0.2272, 0.2145



42.4226, 0.2889, 0.2289



42.4226, 0.3661, 0.2634

Triad

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



42.4226, 0.2889, 0.2289



42.4226, 0.4451, 0.4216



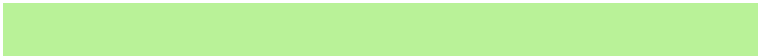
42.4226, 0.2030, 0.3298

Complementary

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



42.4226, 0.2889, 0.2289



76.0897, 0.3284, 0.4350

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.



42.4226, 0.2523, 0.4102



42.4226, 0.2889, 0.2289



42.4226, 0.3921, 0.4615

Square

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



42.4226, 0.2889, 0.2289



42.4226, 0.4626, 0.3672



42.4226, 0.3215, 0.4626



42.4226, 0.1827, 0.2623

Rectangle

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



42.4226, 0.2889, 0.2289



42.4226, 0.4140, 0.2947



42.4226, 0.3215, 0.4626



42.4226, 0.2164, 0.3569

Sweetspot

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



42.4244, 0.2889, 0.2289



81.4901, 0.3070, 0.3012



48.4212, 0.2508, 0.2604



16.9930, 0.3063, 0.2977



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.



42.4244, 0.2889, 0.2289



40.1777, 0.2821, 0.2065



47.1372, 0.3260, 0.2465



15.7246, 0.3079, 0.3053



7.1713, 0.2306, 0.1044



0.6528, 0.2425, 0.1109

Inverse Universe

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



44.8441, 0.3699, 0.2930



43.4820, 0.3882, 0.2854



72.8065, 0.3019, 0.4286



15.8548, 0.3236, 0.3204



10.5510, 0.5510, 0.2809



0.8963, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 42.4226, 0.2889, 0.2289 looks on a white background.

Color Contrast Check

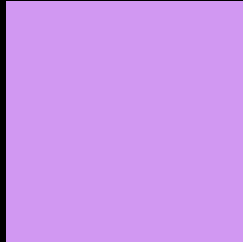
Large Text (above 18pt) WCAG AA × Fail

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 42.4226, 0.2889, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

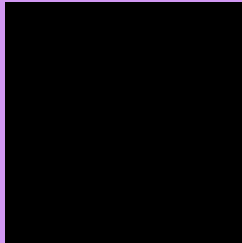
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4226, 0.2889, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 42.4226, 0.2889, 0.2289.

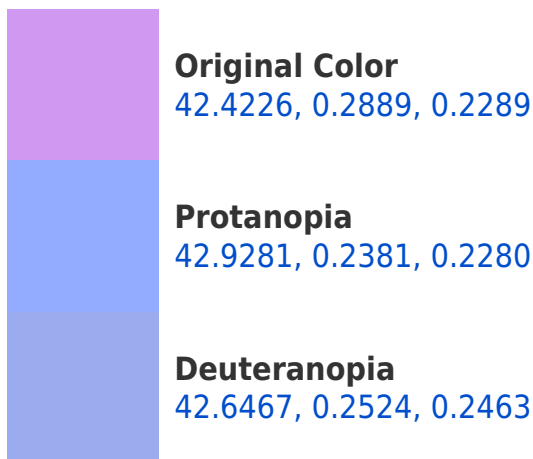


This preview shows how white text looks on a background with the Yxy color 42.4226, 0.2889, 0.2289.

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





Tritanopia

42.2667, 0.3331, 0.3126

Trichromacy



Original Color

42.4226, 0.2889, 0.2289



Protanomaly

42.3584, 0.2545, 0.2280



Deuteranomaly

42.2562, 0.2649, 0.2396



Tritanomaly

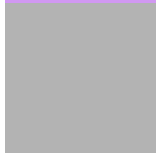
42.0552, 0.3169, 0.2791

Monochromacy



Original Color

42.4226, 0.2889, 0.2289



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.5874, 0.3041, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4226, 0.2889, 0.2289 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(209, 152, 242)` looks like.

```
.text, #text, p{  
    color:rgb(209, 152, 242)  
}
```

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(209, 152, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 152, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.4226, 0.2889, 0.2289 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(209, 152, 242) }
```

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

```
.border{ border-color:rgb(209, 152, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 152, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 152, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 152, 242);  
box-shadow:4px 4px 4px 4px rgb(209, 152,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4226, 0.2889, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 152, 242) }
```

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

```
.background{ background-color: rgb(209,  
152, 242) }
```

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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