

Converting Colors

$Y_{xy}(42.2050, 0.2875, 0.2309)$

Have a look what the booklet for
Yxy(42.2050, 0.2875, 0.2309)
contains.

Yxy(42.1955, 0.2879, 0.2311)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.1955, 0.2879, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	CE99F0
RGB	206, 153, 240
RGB Percent	81%, 60%, 94%
CMY	0.1923, 0.3999, 0.0588
CMYK	0.14, 0.36, 0.00, 0.06
HSL	277°, 74%, 77%
HSV	277°, 36%, 94%
XYZ	52.5664, 42.1955, 87.8236
YIQ	178.7650, 3.6610, 38.2930

Conversions

Conversions Part 2

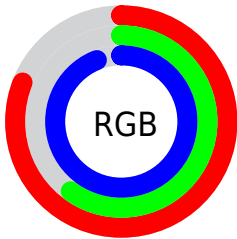
Format	Color
R_{YB}	206, 153, 240
Decimal	13539824
CIE _{Lab}	71.01, 35.39, -36.16
CIE _{LCh}	71, 50.601, 314.385
Yxy	42.1955, 0.2879, 0.2311
Android (android.graphics.Color)	4291729904 (0xFFCE99F0)
YUV	178.7650, 30.1889, 23.8851
Hunter-Lab	64.9581, 30.7719, -34.6897

Details

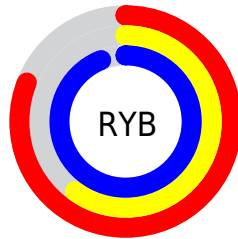
The Yxy color **42.1955, 0.2879, 0.2311** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.2040, 0.3295, 0.4315**, and the grayscale version is **44.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **19.2521, 0.2788, 0.2074** is the 20% darker color. If you saturate the color by 10%, you get **33.8092, 0.2787, 0.2027**, and if you desaturate by 10%, it is **52.2458, 0.2961, 0.2596**.

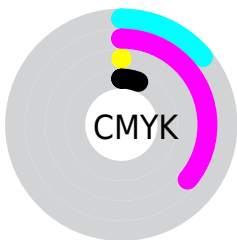
Distribution



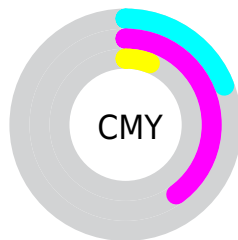
- Red (81%)
- Green (60%)
- Blue (94%)



- Red (81%)
- Yellow (60%)
- Blue (94%)



- Cyan (14%)
- Magenta (36%)
- Yellow (0%)
- Black (6%)





- Cyan (19%)
- Magenta (40%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1955, 0.2879, 0.2311 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 42.1955, 0.2879, 0.2311 by changing the saturation by 10% instead.


 42.1955, 0.2879,
0.2311


 42.1955, 0.2879,
0.2311


355.2927, 0.3014,
0.2768

 29.2544, 0.2843,
0.2207


 78.4954, 0.2930,
0.2470

 19.2734, 0.2796,
0.2079


 102.6230, 0.2949,
0.2531

 11.8680, 0.2732,
0.1919


131.2483, 0.2964,
0.2584

 6.6538, 0.2641,
0.1714

164.7555, 0.2978,
0.2631

 3.2466, 0.2505,
0.1445

203.5292, 0.2989,
0.2671

 1.2618, 0.2288,
0.1085

247.9537, 0.2999,


 0.1113, 0.1989,


0.2707


0.0227

298.4134, 0.3007,
0.2739


 0.0000, 0.0000,
0.0000

 42.1955, 0.2879,
0.2311

 42.1955, 0.2879,
0.2311

 33.8092, 0.2787,
0.2027


 52.2458, 0.2961,
0.2596


 26.9850, 0.2687,
0.1755

 64.0436, 0.3033,
0.2873


 21.6177, 0.2581,
0.1509

 77.6729, 0.3094,
0.3136

 17.5864, 0.2474,
0.1302

 93.2107, 0.3145,
0.3379

 14.7500, 0.2370,
0.1143

 98.6832, 0.3201,
0.3435

■ 12.9330, 0.2272,
0.1037

■ 99.0722, 0.3214,
0.3434

■ 12.4090, 0.2236,
0.1006

Harmonies

Analogous

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



42.1955, 0.2285, 0.2178



42.1955, 0.2879, 0.2311



42.1955, 0.3623, 0.2642

Triad

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



42.1955, 0.2879, 0.2311



42.1955, 0.4421, 0.4179



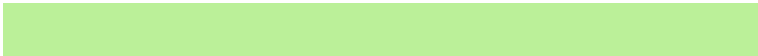
42.1955, 0.2074, 0.3322

Complementary

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



42.1955, 0.2879, 0.2311



75.2040, 0.3295, 0.4315

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.



42.1955, 0.2561, 0.4091



42.1955, 0.2879, 0.2311



42.1955, 0.3917, 0.4566

Square

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



42.1955, 0.2879, 0.2311



42.1955, 0.4575, 0.3652



42.1955, 0.3235, 0.4583



42.1955, 0.1866, 0.2662

Rectangle

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



42.1955, 0.2879, 0.2311



42.1955, 0.4089, 0.2946



42.1955, 0.3235, 0.4583



42.1955, 0.2207, 0.3582

Sweetspot

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



42.1973, 0.2879, 0.2311



81.3675, 0.3066, 0.3012



48.9550, 0.2528, 0.2643



16.9637, 0.3057, 0.2976



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.



42.1973, 0.2879, 0.2311



41.5866, 0.2817, 0.2114



47.1042, 0.3243, 0.2472



15.7047, 0.3075, 0.3053



6.8711, 0.2251, 0.1014



0.6290, 0.2375, 0.1082

Inverse Universe

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



44.9078, 0.3657, 0.2917



45.2605, 0.3805, 0.2845



71.7022, 0.3029, 0.4275



15.8613, 0.3232, 0.3198



10.6072, 0.5412, 0.2755



0.9014, 0.5060, 0.2561

Previews

White Background



This preview shows how the Yxy color 42.1955, 0.2879, 0.2311 looks on a white background.

Color Contrast Check

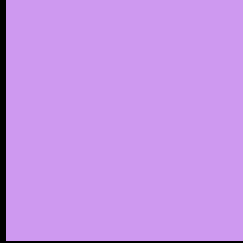
Large Text (above 18pt) WCAG AA × Fail

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 42.1955, 0.2879, 0.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

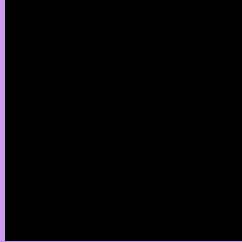
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1955, 0.2879, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 42.1955, 0.2879, 0.2311.



This preview shows how white text looks on a background with the Yxy color 42.1955, 0.2879, 0.2311.

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

42.1955, 0.2879, 0.2311

Protanopia

42.5489, 0.2379, 0.2267

Deuteranopia

42.6291, 0.2542, 0.2485



Tritanopia

42.2629, 0.3293, 0.3125

Trichromacy



Original Color

42.1955, 0.2879, 0.2311



Protanomaly

41.7779, 0.2530, 0.2264



Deuteranomaly

42.0234, 0.2655, 0.2415



Tritanomaly

41.9861, 0.3141, 0.2800

Monochromacy



Original Color

42.1955, 0.2879, 0.2311



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.7853, 0.3040, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1955, 0.2879, 0.2311 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(206, 153, 240)` looks like.

```
.text, #text, p{  
    color:rgb(206, 153, 240)  
}
```

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(206, 153, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 153, 240) }
```

Border

The CSS property to change the border of an element to Yxy 42.1955, 0.2879, 0.2311 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(206, 153, 240) }
```

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

```
.border{ border-color:rgb(206, 153, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 153, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 153, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 153, 240);  
box-shadow:4px 4px 4px 4px rgb(206, 153,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1955, 0.2879, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 153, 240) }
```

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

```
.background{ background-color: rgb(206,  
153, 240) }
```

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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