

Converting Colors

$Y_{xy}(45.3375, 0.2849, 0.2303)$

Have a look what the booklet for
Yxy(45.3375, 0.2849, 0.2303)
contains.

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Color

Yxy(45.3375, 0.2849, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	D29FF9
RGB	210, 159, 249
RGB Percent	82%, 62%, 98%
CMY	0.1763, 0.3765, 0.0234
CMYK	0.16, 0.36, 0.00, 0.02
HSL	274°, 88%, 80%
HSV	274°, 36%, 98%
XYZ	56.0862, 45.3375, 95.4391
YIQ	184.5090, 1.5060, 38.8020

Conversions

Conversions Part 2

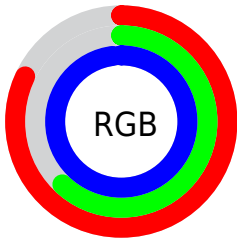
Format	Color
R _{YB}	210, 159, 249
Decimal	13803513
CIE _{Lab}	73.11, 35.27, -37.76
CIE _{LCh}	73, 51.671, 313.048
Yxy	45.3375, 0.2849, 0.2303
Android (android.graphics.Color)	4291993593 (0xFFD29FF9)
YUV	184.5090, 31.7941, 22.3556
Hunter-Lab	67.3331, 30.8515, -36.9054

Details

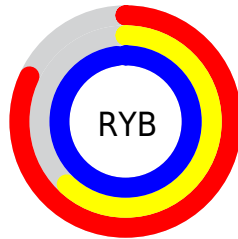
The Yxy color $45.3375, 0.2849, 0.2303$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82.2731, 0.3320, 0.4307$, and the grayscale version is $48.0513, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.5731, 0.3146, 0.2891$, and $21.1912, 0.2761, 0.2082$ is the 20% darker color. If you saturate the color by 10%, you get $36.0910, 0.2746, 0.2012$, and if you desaturate by 10%, it is $56.4194, 0.2941, 0.2593$.

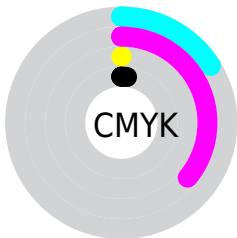
Distribution



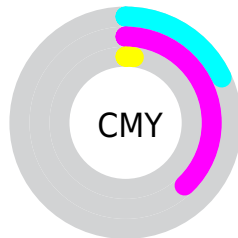
- Red (82%)
- Green (62%)
- Blue (98%)



- Red (82%)
- Yellow (62%)
- Blue (98%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)





- Cyan (18%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3375, 0.2849, 0.2303 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 45.3375, 0.2849, 0.2303 by changing the saturation by 10% instead.


 45.3375, 0.2849,
0.2303

 45.3375, 0.2849,
0.2303


368.1387, 0.2997,
0.2758

 31.7233, 0.2811,
0.2201


 83.2266, 0.2904,
0.2460

 21.1503, 0.2761,
0.2076


 108.2704, 0.2925,
0.2521

 13.2339, 0.2694,
0.1921


137.8928, 0.2942,
0.2574

 7.5898, 0.2602,
0.1724

172.4783, 0.2956,
0.2620

 3.8336, 0.2466,
0.1468

212.4113, 0.2969,
0.2661

 1.5809, 0.2256,
0.1129

258.0760, 0.2979,

 0.3447, 0.1936,

0.2697

0.0539

309.8571, 0.2989,
0.2729

0.0000, 0.0615,
0.0000

0.0000, 0.0000,
0.0000

45.3375, 0.2849,
0.2303

45.3375, 0.2849,
0.2303

36.0910, 0.2746,
0.2012

56.4194, 0.2941,
0.2593

28.5681, 0.2635,
0.1733

69.4287, 0.3021,
0.2873

22.6531, 0.2518,
0.1478

84.4578, 0.3090,
0.3137

18.2129, 0.2400,
0.1263

99.2759, 0.3150,
0.3347

■ 15.0926, 0.2287,
0.1098

■ 99.6213, 0.3162,
0.3347

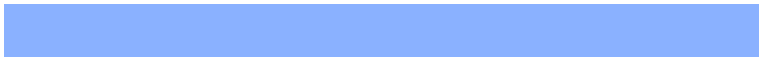
■ 13.0996, 0.2181,
0.0987

■ 12.5212, 0.2143,
0.0954

Harmonies

Analogous

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



45.3375, 0.2266, 0.2180



45.3375, 0.2849, 0.2303



45.3375, 0.3589, 0.2626

Triad

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



45.3375, 0.2849, 0.2303



45.3375, 0.4433, 0.4155



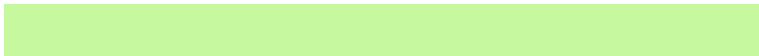
45.3375, 0.2093, 0.3356

Complementary

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



45.3375, 0.2849, 0.2303



82.2731, 0.3320, 0.4307

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.



45.3375, 0.2590, 0.4119



45.3375, 0.2849, 0.2303



45.3375, 0.3943, 0.4551

Square

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



45.3375, 0.2849, 0.2303



45.3375, 0.4567, 0.3627



45.3375, 0.3267, 0.4589



45.3375, 0.1873, 0.2688

Rectangle

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



45.3375, 0.2849, 0.2303



45.3375, 0.4058, 0.2925



45.3375, 0.3267, 0.4589



45.3375, 0.2230, 0.3617

Sweetspot

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



45.3394, 0.2849, 0.2303



81.1596, 0.3058, 0.3011



54.6001, 0.2533, 0.2681



16.9141, 0.3049, 0.2975



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.



45.3394, 0.2849, 0.2303



40.9185, 0.2779, 0.2102



51.4082, 0.3218, 0.2445



17.1286, 0.3068, 0.3051



6.7864, 0.2159, 0.0963



0.6912, 0.2279, 0.1029

Inverse Universe

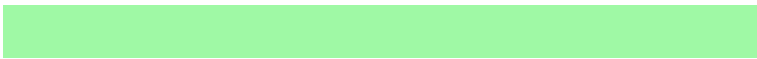
The Inverse Universe completely reimagines the original color for something new.



49.0116, 0.3621, 0.2878



45.4606, 0.3758, 0.2799



77.8537, 0.3045, 0.4312



17.3500, 0.3226, 0.3188



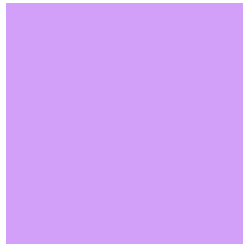
11.3853, 0.5245, 0.2663



1.0753, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 45.3375, 0.2849, 0.2303 looks on a white background.

Color Contrast Check

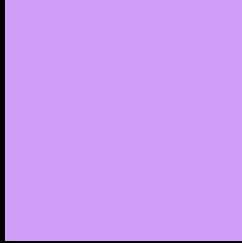
Large Text (above 18pt) WCAG AA × Fail

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 45.3375, 0.2849, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

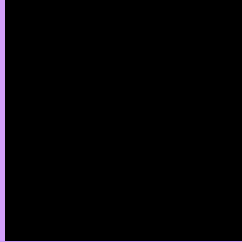
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3375, 0.2849, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 45.3375, 0.2849, 0.2303.



This preview shows how white text looks on a background with the Yxy color 45.3375, 0.2849, 0.2303.

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

45.3375, 0.2849, 0.2303

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.5104, 0.2525, 0.2461



Tritanopia

45.2872, 0.3269, 0.3128

Trichromacy



Original Color

45.3375, 0.2849, 0.2303

Protanomaly

44.9553, 0.2570, 0.2321

Deuteranomaly

44.8682, 0.2633, 0.2393

Tritanomaly

45.0289, 0.3115, 0.2799

Monochromacy



Original Color

45.3375, 0.2849, 0.2303

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.0741, 0.3027, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3375, 0.2849, 0.2303 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(210, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(210, 159, 249)  
}
```

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(210, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 159, 249) }
```

Border

The CSS property to change the border of an element to Yxy 45.3375, 0.2849, 0.2303 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(210, 159, 249) }
```

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

```
.border{ border-color:rgb(210, 159, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 159, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 159, 249);  
box-shadow:4px 4px 4px 4px rgb(210, 159,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3375, 0.2849, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 159, 249) }
```

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

```
.background{ background-color: rgb(210,  
159, 249) }
```

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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