

Converting Colors

$Y_{xy}(43.0964, 0.2988, 0.2157)$

Have a look what the booklet for
Yxy(43.0964, 0.2988, 0.2157)
contains.

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Color

Yxy(43.1973, 0.2989, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	E68EFC
RGB	230, 142, 252
RGB Percent	90%, 56%, 99%
CMY	0.0979, 0.4432, 0.0118
CMYK	0.09, 0.44, 0.00, 0.01
HSL	288°, 95%, 77%
HSV	288°, 44%, 99%
XYZ	59.8872, 43.1973, 97.2741
YIQ	180.8520, 17.1380, 52.8660

Conversions

Conversions Part 2

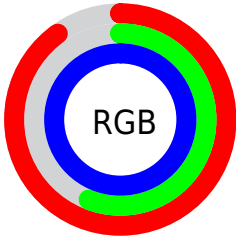
Format	Color
R_{YB}	230, 142, 252
Decimal	15109884
CIE _{Lab}	71.69, 50.68, -41.44
CIE _{LCh}	72, 65.463, 320.731
Yxy	43.1973, 0.2989, 0.2156
Android (android.graphics.Color)	4293299964 (0xFFE68EFC)
YUV	180.8520, 35.0760, 43.1028
Hunter-Lab	65.7247, 47.6280, -41.7434

Details

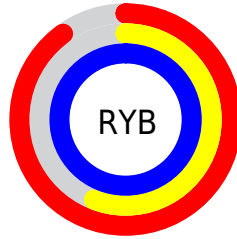
The Yxy color $43.1973, 0.2989, 0.2156$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $79.4566, 0.3188, 0.4607$, and the grayscale version is $45.9253, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.8682, 0.3153, 0.2732$, and $19.9691, 0.2934, 0.1911$ is the 20% darker color. If you saturate the color by 10%, you get $35.7104, 0.2943, 0.1912$, and if you desaturate by 10%, it is $52.4066, 0.3030, 0.2417$.

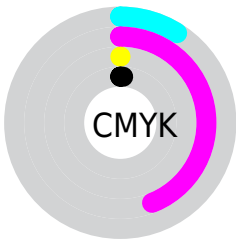
Distribution



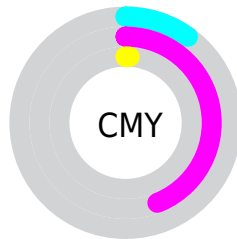
- Red (90%)
- Green (56%)
- Blue (99%)



- Red (90%)
- Yellow (56%)
- Blue (99%)



- Cyan (9%)
- Magenta (44%)
- Yellow (0%)
- Black (1%)





- Cyan (10%)
- Magenta (44%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1973, 0.2989, 0.2156 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 43.1973, 0.2989, 0.2156 by changing the saturation by 10% instead.


 43.1973, 0.2989,
0.2156


 43.1973, 0.2989,
0.2156


359.4225, 0.3076,
0.2670

 30.0400, 0.2964,
0.2043


 80.0085, 0.3024,
0.2331

 19.8689, 0.2930,
0.1906


 104.4312, 0.3036,
0.2400

 12.2998, 0.2882,
0.1738


133.3777, 0.3046,
0.2460

 6.9482, 0.2813,
0.1528

167.2325, 0.3054,
0.2513

 3.4297, 0.2707,
0.1261

206.3800, 0.3061,
0.2559

 1.3600, 0.2534,
0.0922

251.2046, 0.3067,

 0.1869, 0.2284,

0.2600

0.0275

302.0906, 0.3072,
0.2637

0.0000, 0.1401,
0.0000

0.0000, 0.0000,
0.0000

43.1973, 0.2989,
0.2156

43.1973, 0.2989,
0.2156

35.7104, 0.2943,
0.1912

52.4066, 0.3030,
0.2417

29.8244, 0.2893,
0.1696

63.4377, 0.3065,
0.2683

25.4109, 0.2840,
0.1517

76.3892, 0.3095,
0.2947

22.3189, 0.2786,
0.1384

91.3506, 0.3119,
0.3201

■ 20.3643, 0.2732,
0.1297

99.8081, 0.3144,
0.3319

■ 19.5456, 0.2699,
0.1261

Harmonies

Analogous

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



43.1973, 0.2204, 0.1940



43.1973, 0.2989, 0.2156



43.1973, 0.3954, 0.2591

Triad

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



43.1973, 0.2989, 0.2156



43.1973, 0.4615, 0.4471



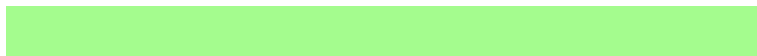
43.1973, 0.1732, 0.3096

Complementary

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



43.1973, 0.2989, 0.2156



79.4566, 0.3188, 0.4607

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.



43.1973, 0.2240, 0.4135



43.1973, 0.2989, 0.2156



43.1973, 0.3900, 0.4961

Square

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



43.1973, 0.2989, 0.2156



43.1973, 0.4959, 0.3819



43.1973, 0.3035, 0.4917



43.1973, 0.1574, 0.2346

Rectangle

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



43.1973, 0.2989, 0.2156



43.1973, 0.4520, 0.2968



43.1973, 0.3035, 0.4917



43.1973, 0.1862, 0.3428

Sweetspot

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



43.1991, 0.2989, 0.2156



79.4100, 0.3097, 0.2964



39.3223, 0.2349, 0.2199



16.3244, 0.3091, 0.2906



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.



43.1991, 0.2989, 0.2156



37.8206, 0.2951, 0.1950



45.1492, 0.3474, 0.2506



17.3394, 0.3106, 0.3054



10.2453, 0.2708, 0.1265



0.9918, 0.2771, 0.1300

Inverse Universe

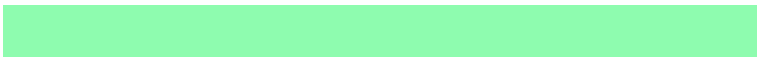
The Inverse Universe completely reimagines the original color for something new.



42.7130, 0.4049, 0.3060



37.4428, 0.4332, 0.3023



78.4628, 0.2902, 0.4241



17.2818, 0.3262, 0.3243



10.9182, 0.6079, 0.3123



1.0255, 0.5765, 0.2950

Previews

White Background



This preview shows how the Yxy color 43.1973, 0.2989, 0.2156 looks on a white background.

Color Contrast Check

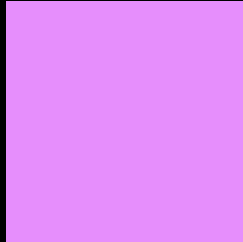
Large Text (above 18pt) WCAG AA × Fail

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 43.1973, 0.2989, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

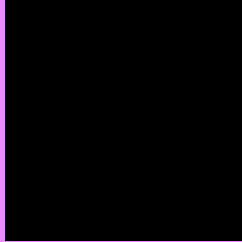
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1973, 0.2989, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 43.1973, 0.2989, 0.2156.



This preview shows how white text looks on a background with the Yxy color 43.1973, 0.2989, 0.2156.

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

43.1973, 0.2989, 0.2156

Protanopia

43.4030, 0.2389, 0.2294

Deuteranopia

43.6013, 0.2463, 0.2401



Tritanopia

43.1802, 0.3589, 0.3148

Trichromacy



Original Color

43.1973, 0.2989, 0.2156



Protanomaly

42.4614, 0.2574, 0.2223



Deuteranomaly

42.3213, 0.2626, 0.2282



Tritanomaly

42.6875, 0.3361, 0.2740

Monochromacy



Original Color

43.1973, 0.2989, 0.2156



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

44.2845, 0.3079, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1973, 0.2989, 0.2156 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(230, 142, 252)` looks like.

```
.text, #text, p{  
    color:rgb(230, 142, 252)  
}
```

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(230, 142, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 142, 252) }
```

Border

The CSS property to change the border of an element to Yxy 43.1973, 0.2989, 0.2156 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(230, 142, 252) }
```

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

```
.border{ border-color:rgb(230, 142, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 142, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 142, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 142, 252);  
box-shadow:4px 4px 4px 4px rgb(230, 142,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1973, 0.2989, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 142, 252) }
```

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

```
.background{ background-color: rgb(230,  
142, 252) }
```

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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