

Converting Colors

$Y_{xy}(45.2014, 0.2933, 0.2198)$

Have a look what the booklet for
Yxy(45.2014, 0.2933, 0.2198)
contains.

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Color

Yxy(45.2014, 0.2933, 0.2198)

Conversions

Conversions Part 1

Format	Color
Hex	E296FF
RGB	226, 150, 255
RGB Percent	89%, 59%, 100%
CMY	0.1137, 0.4117, 0.0001
CMYK	0.11, 0.41, 0.00, 0.00
HSL	283°, 100%, 79%
HSV	283°, 41%, 100%
XYZ	60.3165, 45.2014, 100.1299
YIQ	184.6940, 11.5910, 48.7670

Conversions

Conversions Part 2

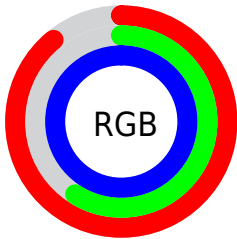
Format	Color
R _Y B	226, 150, 255
Decimal	14849791
CIE Lab	73.02, 45.95, -41.00
CIE LCh	73, 61.579, 318.255
Yxy	45.2014, 0.2933, 0.2198
Android (android.graphics.Color)	4293039871 (0xFFE296FF)
YUV	184.6940, 34.6609, 36.2254
Hunter-Lab	67.2320, 42.4835, -41.2394

Details

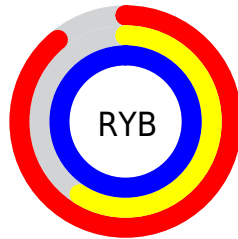
The Yxy color $45.2014, 0.2933, 0.2198$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.2867, 0.3236, 0.4504$, and the grayscale version is $48.1377, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $21.0616, 0.2861, 0.1955$ is the 20% darker color. If you saturate the color by 10%, you get $36.8170, 0.2867, 0.1936$, and if you desaturate by 10%, it is $55.4065, 0.2992, 0.2471$.

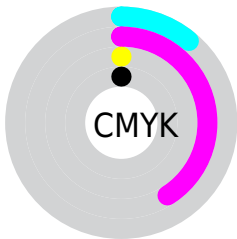
Distribution



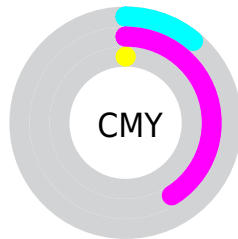
- Red (89%)
- Green (59%)
- Blue (100%)



- Red (89%)
- Yellow (59%)
- Blue (100%)



- Cyan (11%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2014, 0.2933, 0.2198 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 45.2014, 0.2933, 0.2198 by changing the saturation by 10% instead.


 45.2014, 0.2933,
0.2198

 45.2014, 0.2933,
0.2198


367.5886, 0.3044,
0.2693

 31.6161, 0.2903,
0.2089

 83.0226, 0.2976,
0.2367

 21.0684, 0.2862,
0.1957


 108.0272, 0.2991,
0.2433

 13.1740, 0.2808,
0.1795


137.6070, 0.3004,
0.2491

 7.5485, 0.2730,
0.1592

172.1465, 0.3015,
0.2541

 3.8074, 0.2615,
0.1333

212.0300, 0.3024,
0.2586

 1.5664, 0.2433,
0.1001

257.6420, 0.3032,

 0.3348, 0.2153,

0.2626

0.0453

309.3667, 0.3039,
0.2661

0.0000, 0.1360,
0.0000

0.0000, 0.0000,
0.0000

45.2014, 0.2933,
0.2198

45.2014, 0.2933,
0.2198

36.8170, 0.2867,
0.1936

55.4065, 0.2992,
0.2471

30.1310, 0.2796,
0.1697

67.5327, 0.3043,
0.2744

25.0150, 0.2721,
0.1492

81.6797, 0.3087,
0.3010

21.3193, 0.2645,
0.1331

97.9386, 0.3123,
0.3262

■ 18.8643, 0.2570,
0.1219

99.9983, 0.3127,
0.3290

■ 17.4822, 0.2507,
0.1155

Harmonies

Analogous

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



45.2014, 0.2216, 0.2013



45.2014, 0.2933, 0.2198



45.2014, 0.3824, 0.2597

Triad

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



45.2014, 0.2933, 0.2198



45.2014, 0.4570, 0.4366



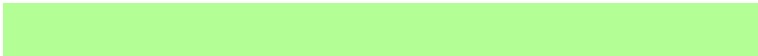
45.2014, 0.1848, 0.3193

Complementary

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



45.2014, 0.2933, 0.2198



83.2867, 0.3236, 0.4504

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.



45.2014, 0.2359, 0.4145



45.2014, 0.2933, 0.2198



45.2014, 0.3929, 0.4825

Square

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



45.2014, 0.2933, 0.2198



45.2014, 0.4839, 0.3755



45.2014, 0.3121, 0.4815



45.2014, 0.1666, 0.2460

Rectangle

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



45.2014, 0.2933, 0.2198



45.2014, 0.4363, 0.2950



45.2014, 0.3121, 0.4815



45.2014, 0.1982, 0.3504

Sweetspot

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



45.2033, 0.2933, 0.2198



80.4397, 0.3084, 0.2988



46.2450, 0.2415, 0.2382



16.8014, 0.3078, 0.2954



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.



45.2033, 0.2933, 0.2198



38.4941, 0.2882, 0.1991



48.9103, 0.3369, 0.2469



18.0336, 0.3093, 0.3053



9.2153, 0.2519, 0.1161



0.9517, 0.2600, 0.1206

Inverse Universe

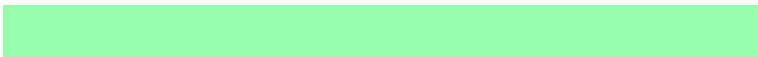
The Inverse Universe completely reimagines the original color for something new.



46.3249, 0.3889, 0.2989



39.9384, 0.4114, 0.2935



80.9954, 0.2956, 0.4287



18.0695, 0.3251, 0.3225



11.3639, 0.5851, 0.2997



1.1240, 0.5532, 0.2821

Previews

White Background



This preview shows how the Yxy color 45.2014, 0.2933, 0.2198 looks on a white background.

Color Contrast Check

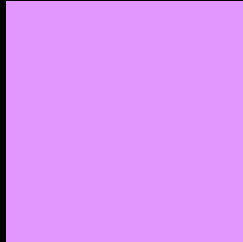
Large Text (above 18pt) WCAG AA × Fail

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 45.2014, 0.2933, 0.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

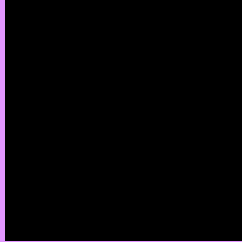
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2014, 0.2933, 0.2198

Background



This preview shows how black text looks on a background with the Yxy color 45.2014, 0.2933, 0.2198.



This preview shows how white text looks on a background with the Yxy color 45.2014, 0.2933, 0.2198.

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

45.2014, 0.2933, 0.2198

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.4143, 0.2472, 0.2405



Tritanopia

44.9742, 0.3471, 0.3135

Trichromacy



Original Color

45.2014, 0.2933, 0.2198



Protanomaly

44.5607, 0.2589, 0.2276



Deuteranomaly

44.4895, 0.2614, 0.2306

Tritanomaly

44.7067, 0.3262, 0.2749

Monochromacy



Original Color

45.2014, 0.2933, 0.2198



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.4376, 0.3063, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2014, 0.2933, 0.2198 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(226, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 150, 255)  
}
```

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(226, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.2014, 0.2933, 0.2198 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(226, 150, 255) }
```

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

```
.border{ border-color:rgb(226, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2014, 0.2933, 0.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 150, 255) }
```

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

```
.background{ background-color: rgb(226,  
150, 255) }
```

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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