

Converting Colors

$Y_{xy}(45.9445, 0.3111, 0.2450)$

Have a look what the booklet for
Yxy(45.9445, 0.3111, 0.2450)
contains.

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Color

Yxy(45.9910, 0.3114, 0.2457)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E39CE9 |
| RGB | 227, 156, 233 |
| RGB Percent | 89%, 61%, 91% |
| CMY | 0.1096, 0.3883, 0.0862 |
| CMYK | 0.03, 0.33, 0.00, 0.09 |
| HSL | 295°, 64%, 76% |
| HSV | 295°, 33%, 91% |
| XYZ | 58.2890, 45.9910, 82.9036 |
| YIQ | 186.0070, 17.5990, 38.9990 |

Conversions

Conversions Part 2

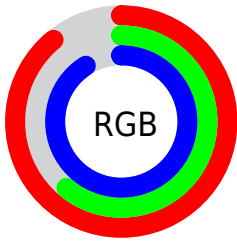
| Format | Color |
|-------------------------------------|--|
| RYB | 227, 156, 233 |
| Decimal | 14916841 |
| CIELab | 73.54, 38.85, -28.25 |
| CIElCh | 74, 48.039, 323.981 |
| Yxy | 45.9910, 0.3114, 0.2457 |
| Android (android.graphics.Color) | 4293106921 (0xFFE39CE9) |
| YUV | 186.0070, 23.1675, 35.9509 |
| Hunter-Lab | 67.8167, 34.7430, -25.0084 |

Details

The Yxy color $45.9910, 0.3114, 0.2457$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.3580, 0.3119, 0.4262$, and the grayscale version is $48.9693, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $21.4209, 0.3092, 0.2256$ is the 20% darker color. If you saturate the color by 10%, you get $38.6188, 0.3105, 0.2213$, and if you desaturate by 10%, it is $54.8701, 0.3120, 0.2711$.

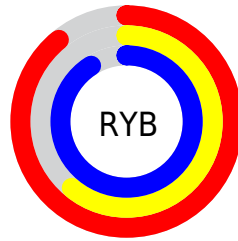
Distribution



Red (89%)

Green (61%)

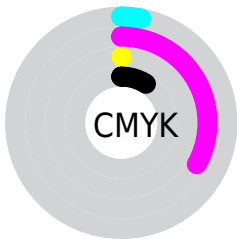
Blue (91%)



Red (89%)

Yellow (61%)

Blue (91%)

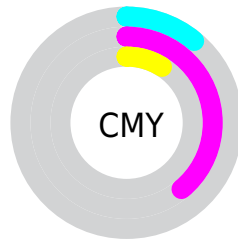


Cyan (3%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (11%)


Magenta (39%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9910, 0.3114, 0.2457 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 45.9910, 0.3114, 0.2457 by changing the saturation by 10% instead.

 45.9910, 0.3114,
0.2457

 45.9910, 0.3114,
0.2457


370.7725, 0.3131,
0.2844

 32.2387, 0.3107,
0.2369


 84.2055, 0.3122,
0.2591

 21.5439, 0.3097,
0.2260


 109.4366, 0.3125,
0.2644

 13.5222, 0.3081,
0.2124


139.2626, 0.3127,
0.2689

 7.7891, 0.3056,
0.1947

174.0682, 0.3128,
0.2728

 3.9603, 0.3013,
0.1712

214.2375, 0.3129,
0.2762

 1.6514, 0.2933,
0.1388

260.1551, 0.3130,

 0.3919, 0.2811,

0.2793

0.0777

312.2053, 0.3131,
0.2820

0.0000, 0.1811,
0.0000

0.0000, 0.0000,
0.0000

45.9910, 0.3114,
0.2457

45.9910, 0.3114,
0.2457

38.6188, 0.3105,
0.2213

54.8701, 0.3120,
0.2711

32.6613, 0.3094,
0.1989


65.3293, 0.3125,
0.2967


28.0259, 0.3080,
0.1796

77.4443, 0.3127,
0.3216

24.6061, 0.3063,
0.1641


91.2840, 0.3127,
0.3454


 22.2791, 0.3046,
0.1529


 95.2474, 0.3136,
0.3510

 20.8963, 0.3026,
0.1461

 95.5574, 0.3147,
0.3510

 20.3307, 0.3013,
0.1433

 95.8706, 0.3158,
0.3509

 96.1868, 0.3170,
0.3508

 96.5062, 0.3181,
0.3507

Harmonies

Analogous

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



45.9910, 0.2500, 0.2268



45.9910, 0.3114, 0.2457



45.9910, 0.3802, 0.2819

Triad

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



45.9910, 0.3114, 0.2457



45.9910, 0.4211, 0.4261



45.9910, 0.2056, 0.3107

Complementary

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



45.9910, 0.3114, 0.2457



68.3580, 0.3119, 0.4262

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.



45.9910, 0.2436, 0.3809



45.9910, 0.3114, 0.2457



45.9910, 0.3676, 0.4520

Square

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



45.9910, 0.3114, 0.2457



45.9910, 0.4465, 0.3801



45.9910, 0.3025, 0.4376



45.9910, 0.1944, 0.2569

Rectangle

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



45.9910, 0.3114, 0.2457



45.9910, 0.4182, 0.3126



45.9910, 0.3025, 0.4376



45.9910, 0.2154, 0.3334

Sweetspot

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



45.9930, 0.3114, 0.2457



84.4238, 0.3125, 0.3042



38.9299, 0.2544, 0.2392



17.6377, 0.3125, 0.3007



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.



45.9930, 0.3114, 0.2457



49.7975, 0.3108, 0.2281



45.3077, 0.3451, 0.2791



15.2511, 0.3126, 0.3057



11.5596, 0.3016, 0.1435



0.9254, 0.3044, 0.1451

Inverse Universe

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



43.7009, 0.3837, 0.3224



46.6116, 0.4067, 0.3210



68.9839, 0.2899, 0.3851



15.0729, 0.3281, 0.3272



9.8615, 0.6315, 0.3253



0.7809, 0.6103, 0.3136

Previews

White Background



This preview shows how the Yxy color 45.9910, 0.3114, 0.2457 looks on a white background.

Color Contrast Check

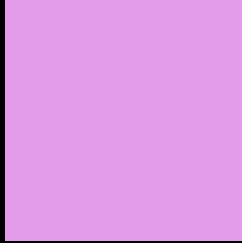
Large Text (above 18pt) WCAG AA × Fail

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 45.9910, 0.3114, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

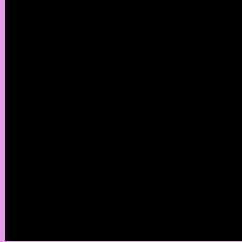
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9910, 0.3114, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 45.9910, 0.3114, 0.2457.



This preview shows how white text looks on a background with the Yxy color 45.9910, 0.3114, 0.2457.

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

45.9910, 0.3114, 0.2457

Protanopia

46.6159, 0.2501, 0.2435

Deuteranopia

46.4966, 0.2721, 0.2663



Tritanopia

46.1484, 0.3506, 0.3137

Trichromacy



Original Color

45.9910, 0.3114, 0.2457



Protanomaly

45.8478, 0.2691, 0.2435



Deuteranomaly

45.8001, 0.2854, 0.2581



Tritanomaly

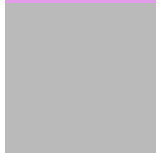
46.0059, 0.3367, 0.2877

Monochromacy



Original Color

45.9910, 0.3114, 0.2457



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.3892, 0.3126, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9910, 0.3114, 0.2457 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(227, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(227, 156, 233)  
}
```

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(227, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 156, 233) }
```

Border

The CSS property to change the border of an element to Yxy 45.9910, 0.3114, 0.2457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

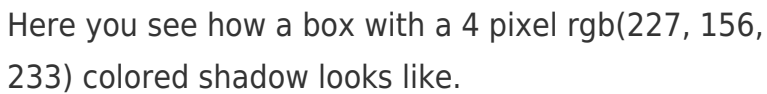
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 156, 233) }
```

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

```
.border{ border-color:rgb(227, 156, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 156, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 156, 233); box-shadow:4px 4px 4px 4px rgb(227, 156, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9910, 0.3114, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 156, 233) }
```

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

```
.background{ background-color: rgb(227,  
156, 233) }
```

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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