

Converting Colors

$Y_{xy}(46.3318, 0.3186, 0.2445)$

Have a look what the booklet for
Yxy(46.3318, 0.3186, 0.2445)
contains.

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Color

Yxy(46.3278, 0.3185, 0.2444)

Conversions

Conversions Part 1

Format	Color
Hex	EB99E9
RGB	235, 153, 233
RGB Percent	92%, 60%, 91%
CMY	0.0782, 0.4001, 0.0862
CMYK	0.00, 0.35, 0.01, 0.08
HSL	301°, 67%, 76%
HSV	301°, 35%, 92%
XYZ	60.3740, 46.3278, 82.8555
YIQ	186.6380, 23.1920, 42.2640

Conversions

Conversions Part 2

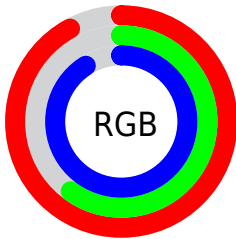
Format	Color
R _Y B	235, 153, 233
Decimal	15440361
CIE Lab	73.76, 42.92, -27.84
CIE LCh	74, 51.158, 327.033
Yxy	46.3278, 0.3185, 0.2444
Android (android.graphics.Color)	4293630441 (0xFFEB99E9)
YUV	186.6380, 22.8565, 42.4135
Hunter-Lab	68.0645, 39.2186, -24.5290

Details

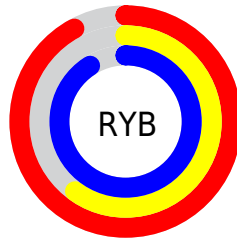
The Yxy color **46.3278, 0.3185, 0.2444** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.5856, 0.3067, 0.4312**, and the grayscale version is **49.3400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **21.7536, 0.3188, 0.2248** is the 20% darker color. If you saturate the color by 10%, you get **39.3465, 0.3202, 0.2218**, and if you desaturate by 10%, it is **54.8287, 0.3168, 0.2685**.

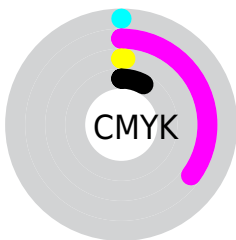
Distribution



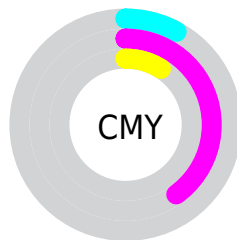
- Red (92%)
- Green (60%)
- Blue (91%)



- Red (92%)
- Yellow (60%)
- Blue (91%)



- Cyan (0%)
- Magenta (35%)
- Yellow (1%)
- Black (8%)




- Cyan (8%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3278, 0.3185, 0.2444 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 46.3278, 0.3185, 0.2444 by changing the saturation by 10% instead.

 46.3278, 0.3185,
0.2444


 46.3278, 0.3185,
0.2444


372.1249, 0.3168,
0.2836

 32.5046, 0.3186,
0.2355


 84.7094, 0.3181,
0.2579

 21.7472, 0.3186,
0.2246


 110.0365, 0.3179,
0.2632

 13.6713, 0.3184,
0.2109


139.9670, 0.3177,
0.2678

 7.8924, 0.3176,
0.1933

174.8854, 0.3175,
0.2717

 4.0262, 0.3158,
0.1699

215.1760, 0.3173,
0.2752

 1.6882, 0.3114,
0.1378

261.2232, 0.3171,

 0.4160, 0.3048,

0.2783

0.0794

313.4114, 0.3170,
0.2811

0.0000, 0.2438,
0.0000

0.0000, 0.0000,
0.0000

46.3278, 0.3185,
0.2444

46.3278, 0.3185,
0.2444

39.3465, 0.3202,
0.2218

54.8287, 0.3168,
0.2685

33.7892, 0.3219,
0.2015


64.9251, 0.3151,
0.2930

29.5592, 0.3235,
0.1846


76.6953, 0.3135,
0.3173

26.5452, 0.3248,
0.1717


90.2107, 0.3120,
0.3408


 24.6175, 0.3260,
0.1632


 95.2442, 0.3113,
0.3481


 23.6176, 0.3269,
0.1588

 95.2783, 0.3109,
0.3475

 23.3393, 0.3273,
0.1577

 95.3126, 0.3106,
0.3469

 95.3469, 0.3103,
0.3463

 95.3814, 0.3099,
0.3457

Harmonies

Analogous

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



46.3278, 0.2520, 0.2225



46.3278, 0.3185, 0.2444



46.3278, 0.3912, 0.2837

Triad

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



46.3278, 0.3185, 0.2444



46.3278, 0.4223, 0.4353



46.3278, 0.1972, 0.3021

Complementary

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



46.3278, 0.3185, 0.2444



68.5856, 0.3067, 0.4312

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.



46.3278, 0.2340, 0.3766



46.3278, 0.3185, 0.2444



46.3278, 0.3634, 0.4605

Square

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



46.3278, 0.3185, 0.2444



46.3278, 0.4535, 0.3873



46.3278, 0.2944, 0.4408



46.3278, 0.1886, 0.2482

Rectangle

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



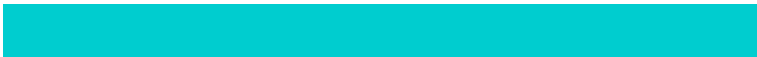
46.3278, 0.3185, 0.2444



46.3278, 0.4298, 0.3164



46.3278, 0.2944, 0.4408



46.3278, 0.2064, 0.3257

Sweetspot

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



46.3298, 0.3185, 0.2444



84.7548, 0.3143, 0.3050



35.6799, 0.2504, 0.2246



17.7184, 0.3145, 0.3015



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.



46.3298, 0.3185, 0.2444



49.4575, 0.3198, 0.2278



44.2808, 0.3555, 0.2849



15.3069, 0.3142, 0.3064



12.9855, 0.3272, 0.1576



1.0217, 0.3263, 0.1571

Inverse Universe

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



46.3298, 0.3185, 0.2444



49.4575, 0.3198, 0.2278



70.1757, 0.2843, 0.3782



15.3069, 0.3142, 0.3064



12.9855, 0.3272, 0.1576



1.0217, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 46.3278, 0.3185, 0.2444 looks on a white background.

Color Contrast Check

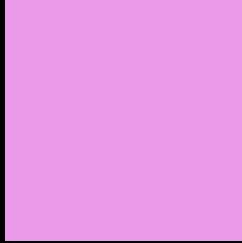
Large Text (above 18pt) WCAG AA × Fail

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 46.3278, 0.3185, 0.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

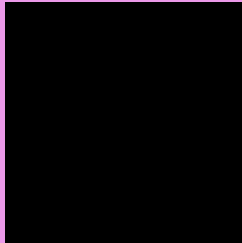
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3278, 0.3185, 0.2444

Background



This preview shows how black text looks on a background with the Yxy color 46.3278, 0.3185, 0.2444.

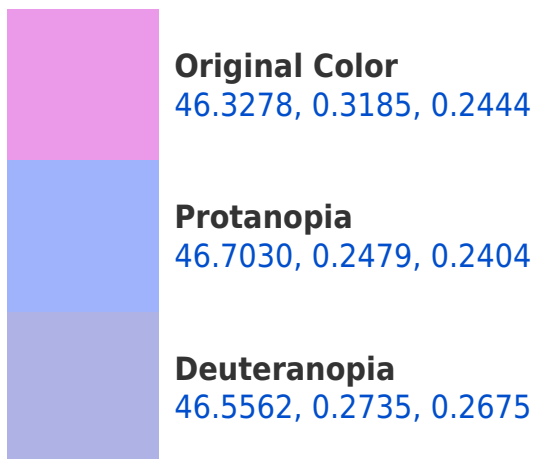


This preview shows how white text looks on a background with the Yxy color 46.3278, 0.3185, 0.2444.

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





Tritanopia

46.2192, 0.3616, 0.3141

Trichromacy



Original Color

46.3278, 0.3185, 0.2444



Protanomaly

45.9681, 0.2699, 0.2409



Deuteranomaly

45.9594, 0.2885, 0.2575



Tritanomaly

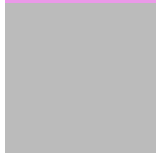
46.1618, 0.3463, 0.2875

Monochromacy



Original Color

46.3278, 0.3185, 0.2444



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.8569, 0.3143, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3278, 0.3185, 0.2444 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(235, 153, 233)` looks like.

```
.text, #text, p{  
    color:rgb(235, 153, 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(235, 153, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 153, 233) }
```

Border

The CSS property to change the border of an element to Yxy 46.3278, 0.3185, 0.2444 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(235, 153, 233) }
```

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

```
.border{ border-color:rgb(235, 153, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 153, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 153, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 153, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 153,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3278, 0.3185, 0.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 153, 233) }
```

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

```
.background{ background-color: rgb(235,  
153, 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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