

Converting Colors

$Y_{xy}(41.2952, 0.3233, 0.2435)$

Have a look what the booklet for
Yxy(41.2952, 0.3233, 0.2435)
contains.

Yxy(41.3594, 0.3233, 0.2437)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.3594, 0.3233, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	E48FDD
RGB	228, 143, 221
RGB Percent	89%, 56%, 87%
CMY	0.1058, 0.4392, 0.1334
CMYK	0.00, 0.37, 0.03, 0.11
HSL	305°, 61%, 73%
HSV	305°, 37%, 89%
XYZ	54.8687, 41.3594, 73.4863
YIQ	177.3070, 25.6220, 42.2780

Conversions

Conversions Part 2

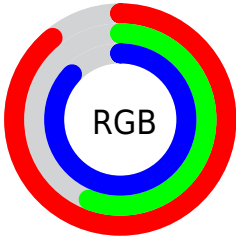
Format	Color
R _Y B	228, 143, 221
Decimal	14979037
CIE Lab	70.43, 43.79, -26.42
CIE LCh	70, 51.147, 328.897
Yxy	41.3594, 0.3233, 0.2437
Android (android.graphics.Color)	4293169117 (0xFFE48FDD)
YUV	177.3070, 21.5406, 44.4578
Hunter-Lab	64.3113, 39.7467, -22.7308

Details

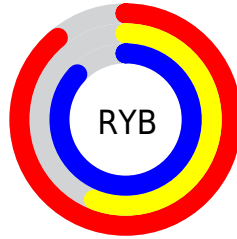
The Yxy color **41.3594, 0.3233, 0.2437** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.5349, 0.3035, 0.4325**, and the grayscale version is **44.0118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **18.7234, 0.3242, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **35.0971, 0.3266, 0.2224**, and if you desaturate by 10%, it is **49.0177, 0.3201, 0.2664**.

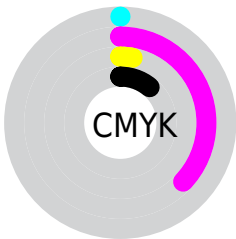
Distribution



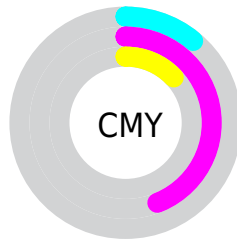
- Red (89%)
- Green (56%)
- Blue (87%)



- Red (89%)
- Yellow (56%)
- Blue (87%)



- Cyan (0%)
- Magenta (37%)
- Yellow (3%)
- Black (11%)




- Cyan (11%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3594, 0.3233, 0.2437 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 41.3594, 0.3233, 0.2437 by changing the saturation by 10% instead.

 41.3594, 0.3233,
0.2437


 41.3594, 0.3233,
0.2437


351.8205, 0.3192,
0.2839

 28.6000, 0.3240,
0.2344


 77.2292, 0.3221,
0.2578

 18.7785, 0.3247,
0.2229


 101.1084, 0.3215,
0.2632

 11.5103, 0.3254,
0.2083


129.4629, 0.3210,
0.2679

 6.4112, 0.3258,
0.1893

162.6773, 0.3206,
0.2719

 3.0967, 0.3254,
0.1637

201.1358, 0.3202,
0.2755

 1.1824, 0.3227,
0.1279

245.2230, 0.3198,

 0.0473, 0.3342,

0.2786

0.0138

295.3230, 0.3195,
0.2814

0.0000, 0.0818,
0.0000

0.0000, 0.0000,
0.0000

41.3594, 0.3233,
0.2437

41.3594, 0.3233,
0.2437

35.0971, 0.3266,
0.2224

49.0177, 0.3201,
0.2664

30.1404, 0.3301,
0.2036


58.1441, 0.3172,
0.2897


26.3971, 0.3335,
0.1881

68.8125, 0.3145,
0.3127


23.7605, 0.3367,
0.1767

81.0900, 0.3121,
0.3350


 22.1056, 0.3397,
0.1696


 93.7515, 0.3101,
0.3541


 21.2672, 0.3424,
0.1668

 93.8582, 0.3090,
0.3521

 21.1072, 0.3432,
0.1664

 93.9661, 0.3079,
0.3502

 94.0751, 0.3069,
0.3482

 94.1852, 0.3058,
0.3463

Harmonies

Analogous

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



41.3594, 0.2534, 0.2199



41.3594, 0.3233, 0.2437



41.3594, 0.3985, 0.2850

Triad

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



41.3594, 0.3233, 0.2437



41.3594, 0.4227, 0.4412



41.3594, 0.1919, 0.2965

Complementary

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



41.3594, 0.3233, 0.2437



63.5349, 0.3035, 0.4325

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.



41.3594, 0.2279, 0.3735



41.3594, 0.3233, 0.2437



41.3594, 0.3604, 0.4659

Square

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



41.3594, 0.3233, 0.2437



41.3594, 0.4577, 0.3920



41.3594, 0.2891, 0.4426



41.3594, 0.1850, 0.2427

Rectangle

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



41.3594, 0.3233, 0.2437



41.3594, 0.4372, 0.3189



41.3594, 0.2891, 0.4426



41.3594, 0.2007, 0.3205

Sweetspot

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



41.3612, 0.3233, 0.2437



83.2424, 0.3155, 0.3040



31.6067, 0.2488, 0.2174



17.4128, 0.3158, 0.3009



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.



41.3612, 0.3233, 0.2437



46.7135, 0.3260, 0.2265



39.4304, 0.3638, 0.2867



14.5936, 0.3150, 0.3077



12.1955, 0.3428, 0.1662



0.9073, 0.3392, 0.1642

Inverse Universe

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



41.3612, 0.3233, 0.2437



46.7135, 0.3260, 0.2265



65.1012, 0.2803, 0.3763



14.5936, 0.3150, 0.3077



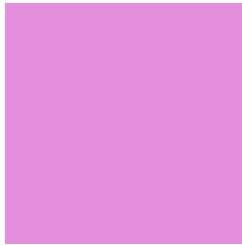
12.1955, 0.3428, 0.1662



0.9073, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 41.3594, 0.3233, 0.2437 looks on a white background.

Color Contrast Check

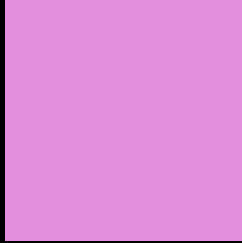
Large Text (above 18pt) WCAG AA × Fail

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 41.3594, 0.3233, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

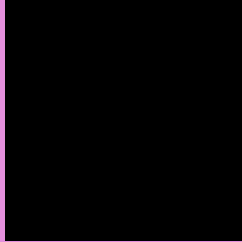
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3594, 0.3233, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 41.3594, 0.3233, 0.2437.



This preview shows how white text looks on a background with the Yxy color 41.3594, 0.3233, 0.2437.

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

41.3594, 0.3233, 0.2437

Protanopia

41.6796, 0.2476, 0.2400

Deuteranopia

41.5493, 0.2746, 0.2684



Tritanopia

41.2365, 0.3684, 0.3148

Trichromacy



Original Color

41.3594, 0.3233, 0.2437



Protanomaly

40.6658, 0.2708, 0.2393



Deuteranomaly

41.0224, 0.2906, 0.2579



Tritanomaly

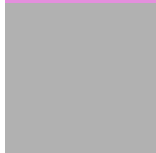
41.2052, 0.3521, 0.2872

Monochromacy



Original Color

41.3594, 0.3233, 0.2437



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.4963, 0.3171, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3594, 0.3233, 0.2437 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(228, 143, 221)` looks like.

```
.text, #text, p{  
    color:rgb(228, 143, 221)  
}
```

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(228, 143, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 143, 221) }
```

Border

The CSS property to change the border of an element to Yxy 41.3594, 0.3233, 0.2437 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(228, 143, 221) }
```

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

```
.border{ border-color:rgb(228, 143, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 143, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 143, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 143, 221);  
box-shadow:4px 4px 4px 4px rgb(228, 143,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3594, 0.3233, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 143, 221) }
```

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

```
.background{ background-color: rgb(228,  
143, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor