

Converting Colors

$Y_{xy}(46.3733, 0.3395, 0.2675)$

Have a look what the booklet for
Yxy(46.3733, 0.3395, 0.2675)
contains.

Yxy(46.3733, 0.3395, 0.2675)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3733, 0.3395, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	EE9BD4
RGB	238, 155, 212
RGB Percent	93%, 61%, 83%
CMY	0.0668, 0.3921, 0.1687
CMYK	0.00, 0.35, 0.11, 0.07
HSL	319°, 71%, 77%
HSV	319°, 35%, 93%
XYZ	58.8551, 46.3733, 68.1297
YIQ	186.3150, 31.1710, 35.3230

Conversions

Conversions Part 2

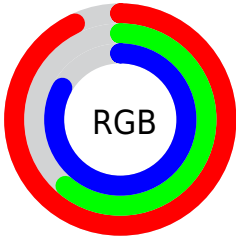
Format	Color
R _Y B	238, 155, 212
Decimal	15637460
CIE Lab	73.79, 39.16, -16.26
CIE LCh	74, 42.400, 337.453
Yxy	46.3733, 0.3395, 0.2675
Android (android.graphics.Color)	4293827540 (0xFFEE9BD4)
YUV	186.3150, 12.6627, 45.3277
Hunter-Lab	68.0979, 35.1010, -11.6491

Details

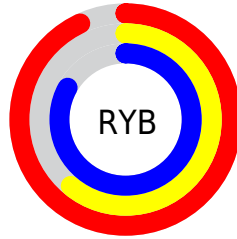
The Yxy color $46.3733, 0.3395, 0.2675$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $71.4363, 0.2935, 0.4000$, and the grayscale version is $49.2045, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $21.7608, 0.3469, 0.2525$ is the 20% darker color. If you saturate the color by 10%, you get $38.8509, 0.3500, 0.2502$, and if you desaturate by 10%, it is $55.4780, 0.3303, 0.2855$.

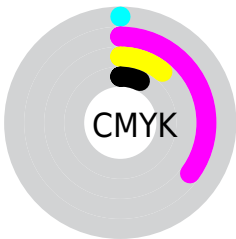
Distribution



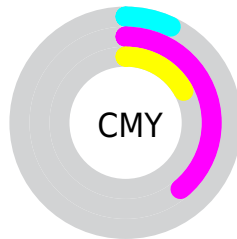
- Red (93%)
- Green (61%)
- Blue (83%)



- Red (93%)
- Yellow (61%)
- Blue (83%)



- Cyan (0%)
- Magenta (35%)
- Yellow (11%)
- Black (7%)




- Cyan (7%)
- Magenta (39%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3733, 0.3395, 0.2675 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 46.3733, 0.3395, 0.2675 by changing the saturation by 10% instead.

 46.3733, 0.3395,
0.2675


 46.3733, 0.3395,
0.2675


372.3074, 0.3269,
0.2966

 32.5405, 0.3424,
0.2607


 84.7774, 0.3351,
0.2777

 21.7747, 0.3461,
0.2522


 110.1175, 0.3334,
0.2817

 13.6914, 0.3507,
0.2414


140.0621, 0.3319,
0.2850

 7.9064, 0.3569,
0.2271

174.9957, 0.3306,
0.2880

 4.0351, 0.3653,
0.2074

215.3026, 0.3295,
0.2905

 1.6932, 0.3774,
0.1787

261.3673, 0.3285,

 0.4193, 0.4043,

0.2928

0.1157

313.5741, 0.3277,
0.2948

0.0000, 0.4380,
0.0000

0.0000, 0.0000,
0.0000

46.3733, 0.3395,
0.2675

46.3733, 0.3395,
0.2675

38.8509, 0.3500,
0.2502

55.4780, 0.3303,
0.2855

32.8122, 0.3617,
0.2344

66.2435, 0.3224,
0.3035

28.1572, 0.3745,
0.2213

78.7506, 0.3156,
0.3209

24.7710, 0.3879,
0.2120

93.0730, 0.3099,
0.3374

■ 22.5200, 0.4015,
0.2074

■ 96.5466, 0.3055,
0.3346

■ 21.2404, 0.4148,
0.2079

■ 96.9112, 0.3023,
0.3290

■ 20.8314, 0.4215,
0.2096

Harmonies

Analogous

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



46.3733, 0.2801, 0.2428



46.3733, 0.3395, 0.2675



46.3733, 0.3958, 0.3056

Triad

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



46.3733, 0.3395, 0.2675



46.3733, 0.3906, 0.4289



46.3733, 0.2096, 0.2897

Complementary

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



46.3733, 0.3395, 0.2675



71.4363, 0.2935, 0.4000

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.



46.3733, 0.2336, 0.3470



46.3733, 0.3395, 0.2675



46.3733, 0.3368, 0.4358

Square

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



46.3733, 0.3395, 0.2675



46.3733, 0.4252, 0.3954



46.3733, 0.2793, 0.4047



46.3733, 0.2101, 0.2514

Rectangle

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



46.3733, 0.3395, 0.2675



46.3733, 0.4211, 0.3354



46.3733, 0.2793, 0.4047



46.3733, 0.2149, 0.3072

Sweetspot

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



46.3754, 0.3395, 0.2675



84.2920, 0.3190, 0.3119



39.3145, 0.2683, 0.2295



17.6058, 0.3199, 0.3095



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.



46.3754, 0.3395, 0.2675



47.6534, 0.3470, 0.2547



44.5861, 0.3789, 0.3106



15.9422, 0.3186, 0.3129



11.6500, 0.4195, 0.2085



0.9870, 0.4033, 0.1995

Inverse Universe

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



46.3754, 0.3395, 0.2675



47.6534, 0.3470, 0.2547



73.3408, 0.2719, 0.3487



15.9422, 0.3186, 0.3129



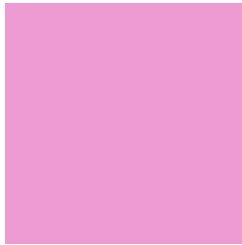
11.6500, 0.4195, 0.2085



0.9870, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 46.3733, 0.3395, 0.2675 looks on a white background.

Color Contrast Check

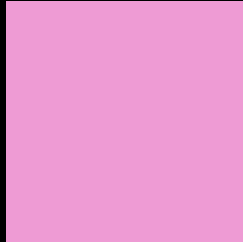
Large Text (above 18pt) WCAG AA × Fail

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 46.3733, 0.3395, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

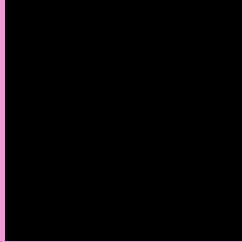
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3733, 0.3395, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 46.3733, 0.3395, 0.2675.



This preview shows how white text looks on a background with the Yxy color 46.3733, 0.3395, 0.2675.

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

46.3733, 0.3395, 0.2675

Protanopia

46.8457, 0.2695, 0.2683

Deuteranopia

46.5631, 0.2969, 0.2904



Tritanopia

46.2203, 0.3697, 0.3155

Trichromacy



Original Color

46.3733, 0.3395, 0.2675



Protanomaly

46.0556, 0.2921, 0.2670



Deuteranomaly

46.1012, 0.3123, 0.2815



Tritanomaly

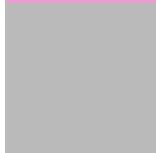
46.0893, 0.3588, 0.2967

Monochromacy



Original Color

46.3733, 0.3395, 0.2675



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.5792, 0.3226, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3733, 0.3395, 0.2675 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(238, 155, 212)` looks like.

```
.text, #text, p{  
    color:rgb(238, 155, 212)  
}
```

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(238, 155, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 155, 212) }
```

Border

The CSS property to change the border of an element to Yxy 46.3733, 0.3395, 0.2675 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(238, 155, 212) }
```

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

```
.border{ border-color:rgb(238, 155, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 155, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 155, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 155, 212);  
box-shadow:4px 4px 4px 4px rgb(238, 155,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3733, 0.3395, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 155, 212) }
```

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

```
.background{ background-color: rgb(238,  
155, 212) }
```

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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