

Converting Colors

$Y_{xy}(36.2510, 0.3870, 0.2987)$

Have a look what the booklet for
Yxy(36.2510, 0.3870, 0.2987)
contains.

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Color

Yxy(36.3951, 0.3868, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	E487A1
RGB	228, 135, 161
RGB Percent	89%, 53%, 63%
CMY	0.1058, 0.4706, 0.3685
CMYK	0.00, 0.41, 0.29, 0.11
HSL	343°, 63%, 71%
HSV	343°, 41%, 89%
XYZ	47.0981, 36.3951, 38.2703
YIQ	165.7710, 47.0820, 27.8020

Conversions

Conversions Part 2

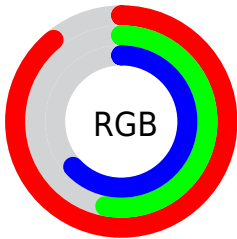
Format	Color
R _Y B	228, 135, 161
Decimal	14976929
CIE Lab	66.82, 38.68, 1.65
CIE LCh	67, 38.712, 2.443
Yxy	36.3951, 0.3868, 0.2989
Android (android.graphics.Color)	4293167009 (0xFFE487A1)
YUV	165.7710, -2.3521, 54.5748
Hunter-Lab	60.3284, 33.7796, 4.6183

Details

The Yxy color **36.3951, 0.3868, 0.2989** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.9121, 0.2701, 0.3623**, and the grayscale version is **38.0125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0448, 0.3457, 0.3025**, and **15.8583, 0.4090, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **30.1595, 0.4155, 0.2921**, and if you desaturate by 10%, it is **44.0727, 0.3627, 0.3064**.

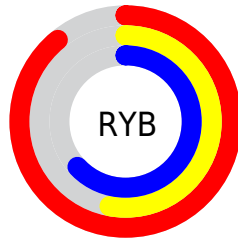
Distribution



Red (89%)

Green (53%)

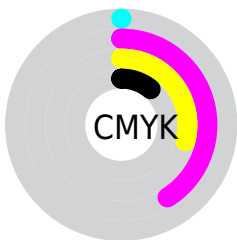
Blue (63%)



Red (89%)

Yellow (53%)

Blue (63%)

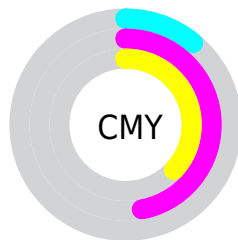


Cyan (0%)

Magenta (41%)

Yellow (29%)

Black (11%)



Cyan (11%)


Magenta (47%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3951, 0.3868, 0.2989 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 36.3951, 0.3868, 0.2989 by changing the saturation by 10% instead.


 36.3951, 0.3868,
0.2989


 36.3951, 0.3868,
0.2989

330.6842, 0.3482,
0.3147

 24.7395, 0.3969,
0.2947


 69.6415, 0.3724,
0.3048

 15.8831, 0.4102,
0.2891


 92.0010, 0.3671,
0.3070

 9.4415, 0.4284,
0.2815


 118.6973, 0.3627,
0.3088

 5.0302, 0.4547,
0.2703

150.1148, 0.3589,
0.3104

 2.2650, 0.4957,
0.2526

186.6378, 0.3557,
0.3117

 0.7551, 0.5724,
0.2209

228.6508, 0.3529,


 0.0000, 1.0000,


0.3129


0.0000

276.5381, 0.3504,
0.3139


 0.0000, 0.0000,
0.0000


 36.3951, 0.3868,
0.2989


 36.3951, 0.3868,
0.2989

 30.1595, 0.4155,
0.2921


 44.0727, 0.3627,
0.3064

 25.2699, 0.4487,
0.2870


 53.2698, 0.3429,
0.3141


 21.6269, 0.4854,
0.2845

 64.0647, 0.3268,
0.3215

 19.1149, 0.5232,
0.2860

 76.5287, 0.3137,
0.3285

 17.5962, 0.5587,
0.2919

 90.7288, 0.3030,
0.3349

■ 16.8652, 0.5865,
0.3005

■ 95.2373, 0.2964,
0.3290

Harmonies

Analogous

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



36.3951, 0.3291, 0.2629



36.3951, 0.3868, 0.2989



36.3951, 0.4239, 0.3430

Triad

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



36.3951, 0.3868, 0.2989



36.3951, 0.3462, 0.4360



36.3951, 0.2093, 0.2569

Complementary

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



36.3951, 0.3868, 0.2989



64.9121, 0.2701, 0.3623

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.



36.3951, 0.2128, 0.2986



36.3951, 0.3868, 0.2989



36.3951, 0.2888, 0.4115

Square

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



36.3951, 0.3868, 0.2989



36.3951, 0.3973, 0.4238



36.3951, 0.2406, 0.3570



36.3951, 0.2295, 0.2382

Rectangle

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



36.3951, 0.3868, 0.2989



36.3951, 0.4300, 0.3733



36.3951, 0.2406, 0.3570



36.3951, 0.2077, 0.2683

Sweetspot

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



36.3969, 0.3868, 0.2989



80.6676, 0.3287, 0.3206



35.4376, 0.2931, 0.2213



16.8566, 0.3306, 0.3196



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.



36.3969, 0.3868, 0.2989



39.9556, 0.4109, 0.2931



41.7383, 0.4068, 0.3528



14.4339, 0.3249, 0.3224



9.7540, 0.5827, 0.2983



0.7363, 0.5410, 0.2754

Inverse Universe

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



36.3969, 0.3868, 0.2989



39.9556, 0.4109, 0.2931



55.7983, 0.2528, 0.3032



14.4339, 0.3249, 0.3224



9.7540, 0.5827, 0.2983



0.7363, 0.5410, 0.2754

Previews

White Background



This preview shows how the Yxy color 36.3951, 0.3868, 0.2989 looks on a white background.

Color Contrast Check

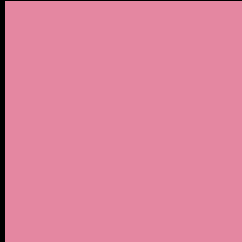
Large Text (above 18pt) WCAG AA × Fail

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 36.3951, 0.3868, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

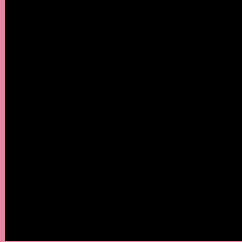
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3951, 0.3868, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 36.3951, 0.3868, 0.2989.



This preview shows how white text looks on a background with the Yxy color 36.3951, 0.3868, 0.2989.

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

36.3951, 0.3868, 0.2989

Protanopia

36.6964, 0.2999, 0.3077

Deuteranopia

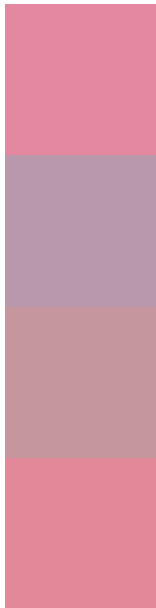
36.7118, 0.3364, 0.3305



Tritanopia

36.3603, 0.3999, 0.3163

Trichromacy



Original Color

36.3951, 0.3868, 0.2989

Protanomaly

35.8359, 0.3289, 0.3035

Deuteranomaly

36.2871, 0.3545, 0.3186

Tritanomaly

36.2391, 0.3946, 0.3093

Monochromacy



Original Color

36.3951, 0.3868, 0.2989

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.9418, 0.3382, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3951, 0.3868, 0.2989 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, 135, 161)` looks like.

```
.text, #text, p{  
    color:rgb(228, 135, 161)  
}
```

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, 135, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 135, 161) }
```

Border

The CSS property to change the border of an element to Yxy 36.3951, 0.3868, 0.2989 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, 135, 161) }
```

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

```
.border{ border-color:rgb(228, 135, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 135, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 135, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 135, 161);  
box-shadow:4px 4px 4px 4px rgb(228, 135,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3951, 0.3868, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 135, 161) }
```

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

```
.background{ background-color: rgb(228,  
135, 161) }
```

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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