

Converting Colors

$Y_{xy}(37.3773, 0.3677, 0.2872)$

Have a look what the booklet for
Yxy(37.3773, 0.3677, 0.2872)
contains.

Yxy(37.2405, 0.3683, 0.2871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.2405, 0.3683, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	E18AAE
RGB	225, 138, 174
RGB Percent	88%, 54%, 68%
CMY	0.1177, 0.4587, 0.3178
CMYK	0.00, 0.39, 0.23, 0.12
HSL	335°, 59%, 71%
HSV	335°, 39%, 88%
XYZ	47.7732, 37.2405, 44.6990
YIQ	168.1170, 40.2960, 29.6400

Conversions

Conversions Part 2

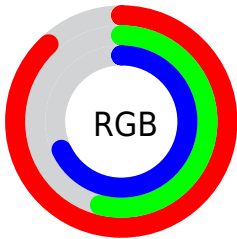
Format	Color
R _Y B	225, 138, 174
Decimal	14781102
CIE Lab	67.46, 37.82, -4.75
CIE LCh	67, 38.112, 352.839
Yxy	37.2405, 0.3683, 0.2871
Android (android.graphics.Color)	4292971182 (0xFFE18AAE)
YUV	168.1170, 2.9003, 49.8864
Hunter-Lab	61.0250, 32.9443, -0.7106

Details

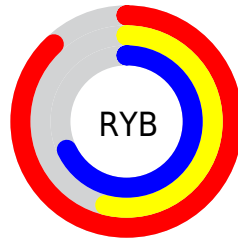
The Yxy color **37.2405, 0.3683, 0.2871** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.9213, 0.2784, 0.3759**, and the grayscale version is **39.1899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0571, 0.3350, 0.2927**, and **16.3855, 0.3848, 0.2743** is the 20% darker color. If you saturate the color by 10%, you get **30.9507, 0.3901, 0.2766**, and if you desaturate by 10%, it is **44.9215, 0.3499, 0.2982**.

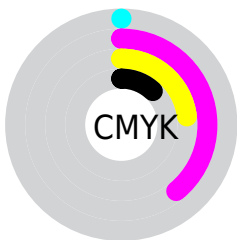
Distribution



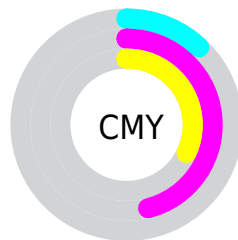
- Red (88%)
- Green (54%)
- Blue (68%)



- Red (88%)
- Yellow (54%)
- Blue (68%)



- Cyan (0%)
- Magenta (39%)
- Yellow (23%)
- Black (12%)




- Cyan (12%)
- Magenta (46%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2405, 0.3683, 0.2871 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 37.2405, 0.3683, 0.2871 by changing the saturation by 10% instead.

 37.2405, 0.3683,
0.2871


 37.2405, 0.3683,
0.2871


334.3506, 0.3398,
0.3083


 25.3938, 0.3757,
0.2817

 70.9425, 0.3578,
0.2949

 16.3707, 0.3852,
0.2748


 93.5666, 0.3539,
0.2977

 9.7868, 0.3982,
0.2656


 120.5519, 0.3506,
0.3002

 5.2578, 0.4168,
0.2526

152.2828, 0.3478,
0.3023

 2.3993, 0.4453,
0.2330

189.1437, 0.3454,
0.3041

 0.8255, 0.4948,
0.2003

231.5191, 0.3433,

 0.0000, 0.9624,

0.3057

0.0000

279.7932, 0.3414,
0.3071

0.0000, 0.0000,
0.0000

37.2405, 0.3683,
0.2871

37.2405, 0.3683,
0.2871

30.9507, 0.3901,
0.2766

44.9215, 0.3499,
0.2982

25.9623, 0.4153,
0.2677

54.0657, 0.3345,
0.3094

22.1828, 0.4435,
0.2617

64.7468, 0.3218,
0.3202

19.5057, 0.4735,
0.2597

77.0315, 0.3114,
0.3303

17.8051, 0.5036,
0.2629

90.9828, 0.3029,
0.3398

■ 16.8928, 0.5317,
0.2711

■ 94.6264, 0.2956,
0.3308

■ 16.7951, 0.5354,
0.2723

■ 94.7447, 0.2946,
0.3289

Harmonies

Analogous

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



37.2405, 0.3099, 0.2556



37.2405, 0.3683, 0.2871



37.2405, 0.4130, 0.3286

Triad

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



37.2405, 0.3683, 0.2871



37.2405, 0.3630, 0.4332



37.2405, 0.2099, 0.2693

Complementary

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



37.2405, 0.3683, 0.2871



62.9213, 0.2784, 0.3759

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.



37.2405, 0.2211, 0.3166



37.2405, 0.3683, 0.2871



37.2405, 0.3072, 0.4211

Square

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



37.2405, 0.3683, 0.2871



37.2405, 0.4077, 0.4124



37.2405, 0.2555, 0.3751



37.2405, 0.2224, 0.2435

Rectangle

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



37.2405, 0.3683, 0.2871



37.2405, 0.4264, 0.3585



37.2405, 0.2555, 0.3751



37.2405, 0.2109, 0.2829

Sweetspot

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



37.2423, 0.3683, 0.2871



80.9039, 0.3259, 0.3165



34.4046, 0.2839, 0.2240



16.9120, 0.3275, 0.3151



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.



37.2423, 0.3683, 0.2871



42.9043, 0.3847, 0.2790



38.1727, 0.4054, 0.3379



13.7940, 0.3227, 0.3193



9.7018, 0.5315, 0.2701



0.6900, 0.4915, 0.2481

Inverse Universe

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



37.2423, 0.3683, 0.2871



42.9043, 0.3847, 0.2790



60.8459, 0.2579, 0.3197



13.7940, 0.3227, 0.3193



9.7018, 0.5315, 0.2701



0.6900, 0.4915, 0.2481

Previews

White Background



This preview shows how the Yxy color 37.2405, 0.3683, 0.2871 looks on a white background.

Color Contrast Check

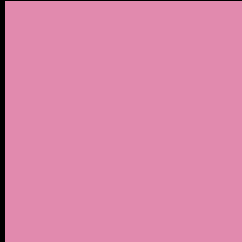
Large Text (above 18pt) WCAG AA × Fail

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 37.2405, 0.3683, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

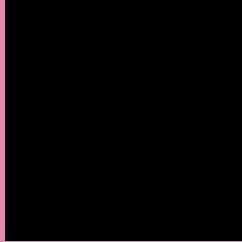
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2405, 0.3683, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 37.2405, 0.3683, 0.2871.



This preview shows how white text looks on a background with the Yxy color 37.2405, 0.3683, 0.2871.

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

37.2405, 0.3683, 0.2871

Protanopia

37.3857, 0.2876, 0.2915

Deuteranopia

37.5089, 0.3210, 0.3153



Tritanopia

37.3339, 0.3882, 0.3161

Trichromacy



Original Color

37.2405, 0.3683, 0.2871



Protanomaly

36.7622, 0.3146, 0.2893



Deuteranomaly

36.9988, 0.3379, 0.3043



Tritanomaly

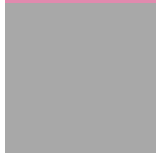
37.4703, 0.3807, 0.3055

Monochromacy



Original Color

37.2405, 0.3683, 0.2871



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.8350, 0.3321, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2405, 0.3683, 0.2871 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(225, 138, 174)` looks like.

```
.text, #text, p{  
    color:rgb(225, 138, 174)  
}
```

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(225, 138, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 138, 174) }
```

Border

The CSS property to change the border of an element to Yxy 37.2405, 0.3683, 0.2871 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(225, 138, 174) }
```

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

```
.border{ border-color:rgb(225, 138, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 138, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 138, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 138, 174); box-shadow:4px 4px 4px 4px rgb(225, 138, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2405, 0.3683, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 138, 174) }
```

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

```
.background{ background-color: rgb(225,  
138, 174) }
```

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