

Converting Colors

$Y_{xy}(37.3777, 0.3451, 0.2519)$

Have a look what the booklet for
Yxy(37.3777, 0.3451, 0.2519)
contains.

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Color

Yxy(37.3776, 0.3447, 0.2521)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E584C9 |
| RGB | 229, 132, 201 |
| RGB Percent | 90%, 52%, 79% |
| CMY | 0.1020, 0.4823, 0.2118 |
| CMYK | 0.00, 0.42, 0.12, 0.10 |
| HSL | 317°, 65%, 71% |
| HSV | 317°, 42%, 90% |
| XYZ | 51.1069, 37.3776, 59.7804 |
| YIQ | 168.8690, 35.6630, 42.0230 |

Conversions

Conversions Part 2

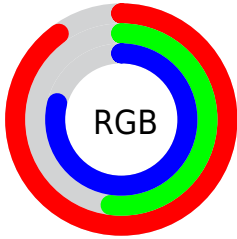
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 229, 132, 201 |
| Decimal | 15041737 |
| CIE Lab | 67.56, 46.41, -19.70 |
| CIE LCh | 68, 50.422, 337.001 |
| Yxy | 37.3776, 0.3447, 0.2521 |
| Android (android.graphics.Color) | 4293231817 (0xFFE584C9) |
| YUV | 168.8690, 15.8406, 52.7349 |
| Hunter-Lab | 61.1372, 42.2248, -15.1782 |

Details

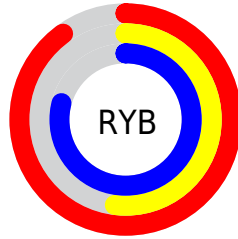
The Yxy color **37.3776, 0.3447, 0.2521** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.4828, 0.2914, 0.4216**, and the grayscale version is **39.5164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **16.4692, 0.3531, 0.2319** is the 20% darker color. If you saturate the color by 10%, you get **31.5306, 0.3552, 0.2354**, and if you desaturate by 10%, it is **44.6044, 0.3353, 0.2702**.

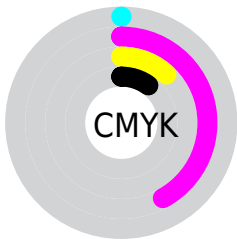
Distribution



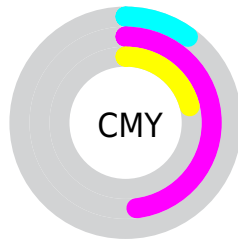
- Red (90%)
- Green (52%)
- Blue (79%)



- Red (90%)
- Yellow (52%)
- Blue (79%)



- Cyan (0%)
- Magenta (42%)
- Yellow (12%)
- Black (10%)





- Cyan (10%)
- Magenta (48%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3776, 0.3447, 0.2521 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 37.3776, 0.3447, 0.2521 by changing the saturation by 10% instead.

 37.3776, 0.3447,
0.2521


 37.3776, 0.3447,
0.2521


334.9424, 0.3294,
0.2893


 25.5000, 0.3483,
0.2432


 71.1532, 0.3393,
0.2653

 16.4500, 0.3528,
0.2321


 93.8199, 0.3372,
0.2703

 9.8431, 0.3586,
0.2178


 120.8518, 0.3354,
0.2747

 5.2951, 0.3663,
0.1986

152.6332, 0.3339,
0.2784

 2.4214, 0.3768,
0.1720

189.5486, 0.3325,
0.2816

 0.8369, 0.3918,
0.1331

231.9824, 0.3314,

 0.0000, 0.4462,

0.2845

0.0000

280.3188, 0.3303,
0.2870

0.0000, 0.0000,
0.0000

37.3776, 0.3447,
0.2521

37.3776, 0.3447,
0.2521

31.5306, 0.3552,
0.2354

44.6044, 0.3353,
0.2702

26.9680, 0.3665,
0.2211

53.2881, 0.3271,
0.2888

23.5903, 0.3786,
0.2103

63.5059, 0.3200,
0.3072


21.2811, 0.3908,
0.2039


75.3283, 0.3140,
0.3250


19.9001, 0.4028,
0.2025


88.8214, 0.3089,
0.3418

 19.2987, 0.4118,
0.2042

 94.5088, 0.3049,
0.3434

 94.9103, 0.3012,
0.3367

 95.3263, 0.2976,
0.3301

 95.3980, 0.2970,
0.3290

Harmonies

Analogous

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



37.3776, 0.2697, 0.2226



37.3776, 0.3447, 0.2521



37.3776, 0.4180, 0.2977

Triad

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



37.3776, 0.3447, 0.2521



37.3776, 0.4093, 0.4535



37.3776, 0.1851, 0.2779

Complementary

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



37.3776, 0.3447, 0.2521



63.4828, 0.2914, 0.4216

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.



37.3776, 0.2136, 0.3520



37.3776, 0.3447, 0.2521



37.3776, 0.3415, 0.4679

Square

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



37.3776, 0.3447, 0.2521



37.3776, 0.4544, 0.4075



37.3776, 0.2698, 0.4294



37.3776, 0.1859, 0.2315

Rectangle

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



37.3776, 0.3447, 0.2521



37.3776, 0.4507, 0.3333



37.3776, 0.2698, 0.4294



37.3776, 0.1913, 0.3001

Sweetspot

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



37.3793, 0.3447, 0.2521



80.0418, 0.3205, 0.3059



29.5822, 0.2550, 0.2050



16.4823, 0.3220, 0.3018



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.



37.3793, 0.3447, 0.2521



40.9484, 0.3540, 0.2371



35.4628, 0.3982, 0.3048



14.5406, 0.3182, 0.3124



11.0559, 0.4101, 0.2033



0.8329, 0.3940, 0.1944

Inverse Universe

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



37.3793, 0.3447, 0.2521



40.9484, 0.3540, 0.2371



65.4979, 0.2657, 0.3557



14.5406, 0.3182, 0.3124



11.0559, 0.4101, 0.2033



0.8329, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 37.3776, 0.3447, 0.2521 looks on a white background.

Color Contrast Check

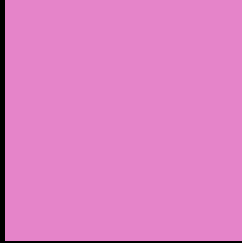
Large Text (above 18pt) WCAG AA × Fail

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 37.3776, 0.3447, 0.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

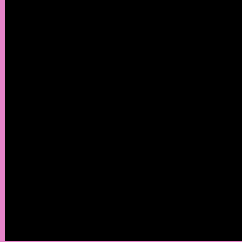
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3776, 0.3447, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 37.3776, 0.3447, 0.2521.



This preview shows how white text looks on a background with the Yxy color 37.3776, 0.3447, 0.2521.

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

37.3776, 0.3447, 0.2521

Protanopia

37.8180, 0.2549, 0.2496

Deuteranopia

37.5823, 0.2880, 0.2816



Tritanopia

37.3010, 0.3893, 0.3173

Trichromacy



Original Color

37.3776, 0.3447, 0.2521



Protanomaly

36.7099, 0.2822, 0.2489



Deuteranomaly

36.7087, 0.3070, 0.2678



Tritanomaly

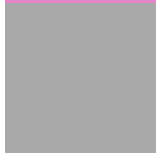
37.0868, 0.3727, 0.2916

Monochromacy



Original Color

37.3776, 0.3447, 0.2521



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.1895, 0.3239, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3776, 0.3447, 0.2521 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(229, 132, 201)` looks like.

```
.text, #text, p{  
    color:rgb(229, 132, 201)  
}
```

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(229, 132, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 132, 201) }
```

Border

The CSS property to change the border of an element to Yxy 37.3776, 0.3447, 0.2521 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(229, 132, 201) }
```

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

```
.border{ border-color:rgb(229, 132, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 132, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 132, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 132, 201);  
box-shadow:4px 4px 4px 4px rgb(229, 132,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3776, 0.3447, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 132, 201) }
```

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

```
.background{ background-color: rgb(229,  
132, 201) }
```

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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