

Converting Colors

$Y_{xy}(37.5012, 0.3601, 0.2897)$

Have a look what the booklet for
Yxy(37.5012, 0.3601, 0.2897)
contains.

Yxy(37.5012, 0.3601, 0.2897)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5012, 0.3601, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	DB8EAF
RGB	219, 142, 175
RGB Percent	86%, 56%, 69%
CMY	0.1413, 0.4430, 0.3138
CMYK	0.00, 0.35, 0.20, 0.14
HSL	334°, 52%, 71%
HSV	334°, 35%, 86%
XYZ	46.6144, 37.5012, 45.3328
YIQ	168.7850, 35.2990, 26.5870

Conversions

Conversions Part 2

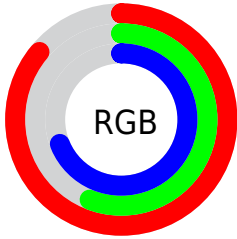
Format	Color
R_{YB}	219, 142, 175
Decimal	14388911
CIE _{Lab}	67.65, 33.74, -5.12
CIE _{LCh}	68, 34.123, 351.379
Yxy	37.5012, 0.3601, 0.2897
Android (android.graphics.Color)	4292578991 (0xFFDB8EAF)
YUV	168.7850, 3.0640, 44.0386
Hunter-Lab	61.2382, 28.7068, -1.0239

Details

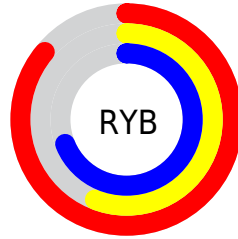
The Yxy color **37.5012, 0.3601, 0.2897** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.9408, 0.2818, 0.3725**, and the grayscale version is **39.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9057, 0.3337, 0.2958**, and **16.5289, 0.3747, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **31.1441, 0.3801, 0.2785**, and if you desaturate by 10%, it is **45.1871, 0.3433, 0.3013**.

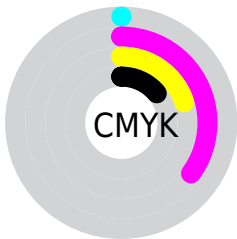
Distribution



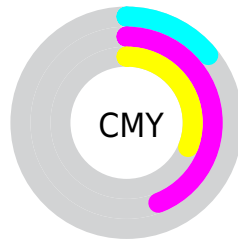
- Red (86%)
- Green (56%)
- Blue (69%)



- Red (86%)
- Yellow (56%)
- Blue (69%)



- Cyan (0%)
- Magenta (35%)
- Yellow (20%)
- Black (14%)





- Cyan (14%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5012, 0.3601, 0.2897 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 37.5012, 0.3601, 0.2897 by changing the saturation by 10% instead.


 37.5012, 0.3601,
0.2897


 37.5012, 0.3601,
0.2897


335.4754, 0.3358,
0.3096

 25.5958, 0.3663,
0.2847


 71.3430, 0.3511,
0.2970

 16.5215, 0.3745,
0.2782


 94.0481, 0.3478,
0.2997

 9.8939, 0.3855,
0.2696


121.1219, 0.3450,
0.3020

 5.3287, 0.4012,
0.2574

152.9489, 0.3426,
0.3039

 2.4414, 0.4255,
0.2391

189.9133, 0.3406,
0.3056

 0.8471, 0.4676,
0.2085

232.3996, 0.3388,

 0.0000, 0.8855,

0.3071

0.0000

280.7921, 0.3372,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 37.5012, 0.3601,
0.2897

■ 37.5012, 0.3601,
0.2897

■ 31.1441, 0.3801,
0.2785

■ 45.1871, 0.3433,
0.3013

■ 26.0342, 0.4033,
0.2686

■ 54.2670, 0.3293,
0.3127

■ 22.0887, 0.4296,
0.2610


■ 64.8078, 0.3178,
0.3236


■ 19.2126, 0.4581,
0.2571

■ 76.8708, 0.3083,
0.3339


■ 17.2958, 0.4875,
0.2580

■ 90.5136, 0.3006,
0.3434

 16.2035, 0.5156,
0.2643

 93.4810, 0.2938,
0.3339

 15.8587, 0.5287,
0.2686

 93.7939, 0.2911,
0.3289

Harmonies

Analogous

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



37.5012, 0.3079, 0.2616



37.5012, 0.3601, 0.2897



37.5012, 0.4008, 0.3273

Triad

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



37.5012, 0.3601, 0.2897



37.5012, 0.3607, 0.4217



37.5012, 0.2198, 0.2776

Complementary

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



37.5012, 0.3601, 0.2897



59.9408, 0.2818, 0.3725

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.



37.5012, 0.2313, 0.3209



37.5012, 0.3601, 0.2897



37.5012, 0.3108, 0.4117

Square

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



37.5012, 0.3601, 0.2897



37.5012, 0.3996, 0.4031



37.5012, 0.2636, 0.3725



37.5012, 0.2302, 0.2528

Rectangle

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



37.5012, 0.3601, 0.2897



37.5012, 0.4139, 0.3544



37.5012, 0.2636, 0.3725



37.5012, 0.2211, 0.2902

Sweetspot

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



37.5030, 0.3601, 0.2897



82.4009, 0.3244, 0.3172



34.8587, 0.2861, 0.2340



17.2117, 0.3260, 0.3157



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.



37.5030, 0.3601, 0.2897



46.2939, 0.3742, 0.2815



37.9240, 0.3940, 0.3355



13.1437, 0.3225, 0.3190



9.4283, 0.5250, 0.2666



0.6278, 0.4837, 0.2438

Inverse Universe

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



37.5030, 0.3601, 0.2897



46.2939, 0.3742, 0.2815



58.8736, 0.2625, 0.3223



13.1437, 0.3225, 0.3190



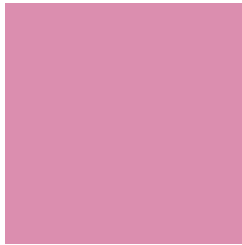
9.4283, 0.5250, 0.2666



0.6278, 0.4837, 0.2438

Previews

White Background



This preview shows how the Yxy color 37.5012, 0.3601, 0.2897 looks on a white background.

Color Contrast Check

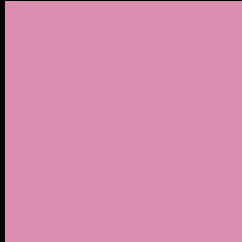
Large Text (above 18pt) WCAG AA × Fail

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 37.5012, 0.3601, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

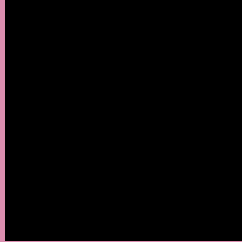
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5012, 0.3601, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 37.5012, 0.3601, 0.2897.



This preview shows how white text looks on a background with the Yxy color 37.5012, 0.3601, 0.2897.

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

37.5012, 0.3601, 0.2897

Protanopia

37.8021, 0.2893, 0.2943

Deuteranopia

37.5851, 0.3192, 0.3126



Tritanopia

37.4028, 0.3777, 0.3157

Trichromacy



Original Color

37.5012, 0.3601, 0.2897



Protanomaly

37.1827, 0.3126, 0.2918



Deuteranomaly

37.1371, 0.3338, 0.3029



Tritanomaly

37.4963, 0.3715, 0.3061

Monochromacy



Original Color

37.5012, 0.3601, 0.2897



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.3013, 0.3289, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5012, 0.3601, 0.2897 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(219, 142, 175)` looks like.

```
.text, #text, p{  
    color:rgb(219, 142, 175)  
}
```

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(219, 142, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 142, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.5012, 0.3601, 0.2897 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(219, 142, 175) }
```

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

```
.border{ border-color:rgb(219, 142, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 142, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 142, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 142, 175);  
box-shadow:4px 4px 4px 4px rgb(219, 142,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5012, 0.3601, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 142, 175) }
```

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

```
.background{ background-color: rgb(219,  
142, 175) }
```

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