

Converting Colors

$Y_{xy}(37.2112, 0.3145, 0.2452)$

Have a look what the booklet for
Yxy(37.2112, 0.3145, 0.2452)
contains.

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Color

Yxy(37.2113, 0.3147, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	D28CD4
RGB	210, 140, 212
RGB Percent	82%, 55%, 83%
CMY	0.1766, 0.4509, 0.1686
CMYK	0.01, 0.34, 0.00, 0.17
HSL	298°, 46%, 69%
HSV	298°, 34%, 83%
XYZ	47.8366, 37.2113, 66.9591
YIQ	169.1380, 18.6080, 37.2320

Conversions

Conversions Part 2

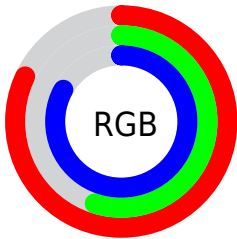
Format	Color
R _Y B	210, 140, 212
Decimal	13798612
CIE Lab	67.44, 38.09, -26.22
CIE LCh	67, 46.240, 325.451
Yxy	37.2113, 0.3147, 0.2448
Android (android.graphics.Color)	4291988692 (0xFFD28CD4)
YUV	169.1380, 21.1310, 35.8360
Hunter-Lab	61.0011, 33.2265, -22.3801

Details

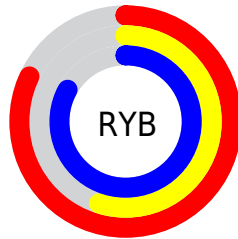
The Yxy color **37.2113, 0.3147, 0.2448** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7447, 0.3094, 0.4294**, and the grayscale version is **39.6357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **16.2838, 0.3136, 0.2230** is the 20% darker color. If you saturate the color by 10%, you get **31.5137, 0.3151, 0.2213**, and if you desaturate by 10%, it is **44.1062, 0.3142, 0.2696**.

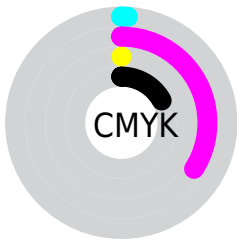
Distribution



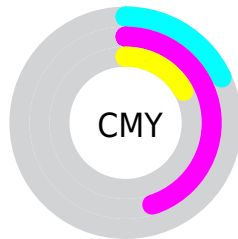
- Red (82%)
- Green (55%)
- Blue (83%)



- Red (82%)
- Yellow (55%)
- Blue (83%)



- Cyan (1%)
- Magenta (34%)
- Yellow (0%)
- Black (17%)





- Cyan (18%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2113, 0.3147, 0.2448 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 37.2113, 0.3147, 0.2448 by changing the saturation by 10% instead.


 37.2113, 0.3147,
0.2448


 37.2113, 0.3147,
0.2448


334.2244, 0.3148,
0.2854

 25.3711, 0.3143,
0.2352


 70.8976, 0.3150,
0.2592

 16.3538, 0.3137,
0.2232


 93.5126, 0.3150,
0.2647

 9.7748, 0.3126,
0.2078


 120.4880, 0.3150,
0.2694

 5.2499, 0.3104,
0.1874

152.2081, 0.3150,
0.2734

 2.3946, 0.3061,
0.1594

189.0574, 0.3150,
0.2770

 0.8231, 0.2968,
0.1194

231.4203, 0.3149,


 0.0000, 0.2870,


0.2801


0.0000


279.6812, 0.3149,
0.2829


 0.0000, 0.0000,
0.0000

 37.2113, 0.3147,
0.2448


 37.2113, 0.3147,
0.2448

 31.5137, 0.3151,
0.2213


 44.1062, 0.3142,
0.2696


 26.9397, 0.3153,
0.2001


 52.2567, 0.3136,
0.2947

 23.4151, 0.3153,
0.1820


 61.7234, 0.3130,
0.3194

 20.8548, 0.3151,
0.1678

 72.5614, 0.3123,
0.3432

 19.1604, 0.3147,
0.1579

 84.8227, 0.3116,
0.3657

 18.2126, 0.3142,
0.1522

 90.5074, 0.3115,
0.3747

 17.8777, 0.3138,
0.1502

 90.5977, 0.3119,
0.3746

 90.6883, 0.3123,
0.3746

 90.7793, 0.3126,
0.3745

Harmonies

Analogous

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



37.2113, 0.2507, 0.2244



37.2113, 0.3147, 0.2448



37.2113, 0.3856, 0.2826

Triad

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



37.2113, 0.3147, 0.2448



37.2113, 0.4221, 0.4307



37.2113, 0.2012, 0.3066

Complementary

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



37.2113, 0.3147, 0.2448



54.7447, 0.3094, 0.4294

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.



37.2113, 0.2388, 0.3791



37.2113, 0.3147, 0.2448



37.2113, 0.3658, 0.4565

Square

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



37.2113, 0.3147, 0.2448



37.2113, 0.4503, 0.3836



37.2113, 0.2987, 0.4396



37.2113, 0.1912, 0.2525

Rectangle

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



37.2113, 0.3147, 0.2448



37.2113, 0.4241, 0.3143



37.2113, 0.2987, 0.4396



37.2113, 0.2108, 0.3298

Sweetspot

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



37.2129, 0.3147, 0.2448



84.6590, 0.3134, 0.3043



29.8005, 0.2523, 0.2318



17.6950, 0.3135, 0.3008



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.



37.2129, 0.3147, 0.2448



49.8793, 0.3150, 0.2271



35.9909, 0.3498, 0.2822



12.6139, 0.3133, 0.3060



11.0427, 0.3139, 0.1503



0.6718, 0.3152, 0.1510

Inverse Universe

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



34.7145, 0.3898, 0.3267



45.5301, 0.4156, 0.3262



55.7130, 0.2873, 0.3814



12.4264, 0.3287, 0.3284



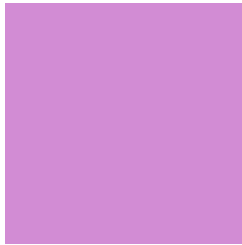
8.6517, 0.6368, 0.3282



0.5239, 0.6265, 0.3225

Previews

White Background



This preview shows how the Yxy color 37.2113, 0.3147, 0.2448 looks on a white background.

Color Contrast Check

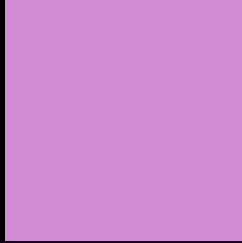
Large Text (above 18pt) WCAG AA × Fail

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 37.2113, 0.3147, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

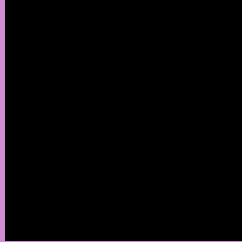
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2113, 0.3147, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 37.2113, 0.3147, 0.2448.



This preview shows how white text looks on a background with the Yxy color 37.2113, 0.3147, 0.2448.

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

37.2113, 0.3147, 0.2448

Protanopia

37.4271, 0.2483, 0.2410

Deuteranopia

37.3129, 0.2723, 0.2658



Tritanopia

37.1178, 0.3555, 0.3137

Trichromacy



Original Color

37.2113, 0.3147, 0.2448



Protanomaly

36.7637, 0.2689, 0.2410



Deuteranomaly

36.7330, 0.2869, 0.2568



Tritanomaly

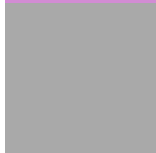
36.9749, 0.3410, 0.2867

Monochromacy



Original Color

37.2113, 0.3147, 0.2448



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.1468, 0.3134, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2113, 0.3147, 0.2448 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(210, 140, 212)` looks like.

```
.text, #text, p{  
    color:rgb(210, 140, 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(210, 140, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 140, 212) }
```

Border

The CSS property to change the border of an element to Yxy 37.2113, 0.3147, 0.2448 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(210, 140, 212) }
```

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

```
.border{ border-color:rgb(210, 140, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 140, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 140, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 140, 212);  
box-shadow:4px 4px 4px 4px rgb(210, 140,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2113, 0.3147, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 140, 212) }
```

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

```
.background{ background-color: rgb(210,  
140, 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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