

Converting Colors

$Y_{xy}(37.3036, 0.3152, 0.2669)$

Have a look what the booklet for
Yxy(37.3036, 0.3152, 0.2669)
contains.

Yxy(37.2628, 0.3156, 0.2669)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2628, 0.3156, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	C694C6
RGB	198, 148, 198
RGB Percent	78%, 58%, 78%
CMY	0.2237, 0.4195, 0.2236
CMYK	0.00, 0.25, 0.00, 0.22
HSL	300°, 30%, 68%
HSV	300°, 25%, 78%
XYZ	44.0620, 37.2628, 58.2886
YIQ	168.6500, 13.7500, 26.1500

Conversions

Conversions Part 2

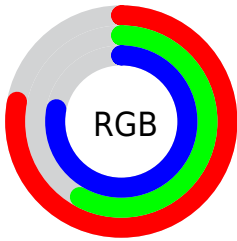
Format	Color
R _Y B	198, 148, 198
Decimal	13014214
CIE Lab	67.47, 27.17, -18.47
CIE LCh	67, 32.856, 325.787
Yxy	37.2628, 0.3156, 0.2669
Android (android.graphics.Color)	4291204294 (0xFFC694C6)
YUV	168.6500, 14.4696, 25.7400
Hunter-Lab	61.0433, 22.0183, -13.8841

Details

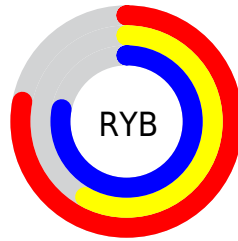
The Yxy color **37.2628, 0.3156, 0.2669** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.8228, 0.3094, 0.4000**, and the grayscale version is **39.4164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **16.4026, 0.3150, 0.2504** is the 20% darker color. If you saturate the color by 10%, you get **31.5725, 0.3167, 0.2426**, and if you desaturate by 10%, it is **44.0187, 0.3144, 0.2918**.

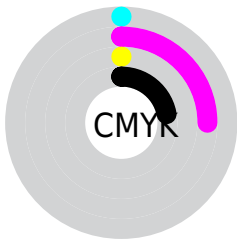
Distribution



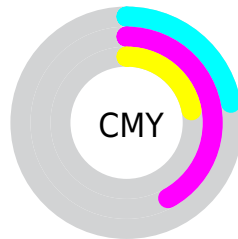
- Red (78%)
- Green (58%)
- Blue (78%)



- Red (78%)
- Yellow (58%)
- Blue (78%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2628, 0.3156, 0.2669 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 37.2628, 0.3156, 0.2669 by changing the saturation by 10% instead.


 37.2628, 0.3156,
0.2669

 37.2628, 0.3156,
0.2669


334.4469, 0.3147,
0.2975

 25.4110, 0.3156,
0.2594


 70.9768, 0.3154,
0.2779

 16.3836, 0.3156,
0.2499


 93.6078, 0.3153,
0.2821

 9.7960, 0.3153,
0.2375


120.6007, 0.3152,
0.2856

 5.2639, 0.3146,
0.2205

152.3398, 0.3151,
0.2887

 2.4029, 0.3127,
0.1961

189.2096, 0.3150,
0.2913

 0.8274, 0.3078,
0.1584

231.5945, 0.3149,

 0.0000, 0.2870,

0.2936

0.0000

279.8788, 0.3148,
0.2957

■ 0.0000, 0.0000,
0.0000

■ 37.2628, 0.3156,
0.2669

■ 37.2628, 0.3156,
0.2669

■ 31.5725, 0.3167,
0.2426

■ 44.0187, 0.3144,
0.2918

■ 26.8890, 0.3178,
0.2198

■ 51.8855, 0.3133,
0.3164

■ 23.1549, 0.3187,
0.1994


■ 60.9119, 0.3122,
0.3402

■ 20.3055, 0.3195,
0.1824


■ 71.1422, 0.3111,
0.3628


■ 18.2677, 0.3201,
0.1692

■ 82.6183, 0.3102,
0.3839


 16.9570, 0.3205,
0.1603


 87.6066, 0.3098,
0.3919

 16.2700, 0.3207,
0.1555

 87.6082, 0.3098,
0.3919

 16.0644, 0.3208,
0.1541

 87.6098, 0.3098,
0.3919

 87.6115, 0.3098,
0.3919

Harmonies

Analogous

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



37.2628, 0.2687, 0.2515



37.2628, 0.3156, 0.2669



37.2628, 0.3653, 0.2959

Triad

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



37.2628, 0.3156, 0.2669



37.2628, 0.3924, 0.4046



37.2628, 0.2310, 0.3143

Complementary

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



37.2628, 0.3156, 0.2669



48.8228, 0.3094, 0.4000

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.



37.2628, 0.2597, 0.3638



37.2628, 0.3156, 0.2669



37.2628, 0.3525, 0.4188

Square

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



37.2628, 0.3156, 0.2669



37.2628, 0.4112, 0.3723



37.2628, 0.3038, 0.4045



37.2628, 0.2229, 0.2747

Rectangle

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



37.2628, 0.3156, 0.2669



37.2628, 0.3920, 0.3203



37.2628, 0.3038, 0.4045



37.2628, 0.2384, 0.3305

Sweetspot

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



37.2644, 0.3156, 0.2669



87.6655, 0.3136, 0.3093



31.8249, 0.2699, 0.2592



18.2998, 0.3138, 0.3056



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.



37.2644, 0.3156, 0.2669



60.5113, 0.3162, 0.2541



36.2416, 0.3388, 0.2958



10.8163, 0.3138, 0.3062



10.4486, 0.3208, 0.1541



0.4949, 0.3208, 0.1541

Inverse Universe

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



35.3318, 0.3654, 0.3291



56.5365, 0.3805, 0.3292



49.6663, 0.2929, 0.3648



10.6370, 0.3289, 0.3290



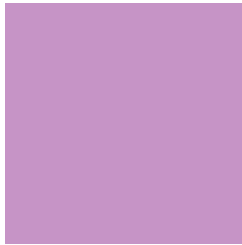
7.8079, 0.6400, 0.3299



0.3697, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 37.2628, 0.3156, 0.2669 looks on a white background.

Color Contrast Check

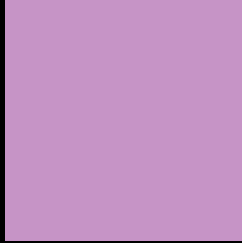
Large Text (above 18pt) WCAG AA × Fail

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 37.2628, 0.3156, 0.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

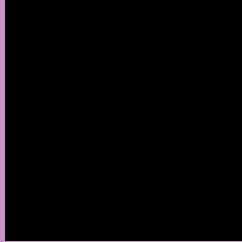
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2628, 0.3156, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 37.2628, 0.3156, 0.2669.



This preview shows how white text looks on a background with the Yxy color 37.2628, 0.3156, 0.2669.

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

37.2628, 0.3156, 0.2669

Protanopia

37.5208, 0.2686, 0.2679

Deuteranopia

37.4746, 0.2871, 0.2815



Tritanopia

37.3337, 0.3415, 0.3133

Trichromacy



Original Color

37.2628, 0.3156, 0.2669

Protanomaly

37.2484, 0.2841, 0.2680

Deuteranomaly

37.1553, 0.2967, 0.2749

Tritanomaly

37.2729, 0.3311, 0.2955

Monochromacy



Original Color

37.2628, 0.3156, 0.2669

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.4883, 0.3139, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2628, 0.3156, 0.2669 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(198, 148, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 148, 198)  
}
```

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(198, 148, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 148, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.2628, 0.3156, 0.2669 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(198, 148, 198) }
```

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

```
.border{ border-color:rgb(198, 148, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 148, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 148, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 148, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 148,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2628, 0.3156, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 148, 198) }
```

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

```
.background{ background-color: rgb(198,  
148, 198) }
```

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