

Converting Colors

$Y_{xy}(37.2732, 0.3170, 0.2720)$

Have a look what the booklet for
Yxy(37.2732, 0.3170, 0.2720)
contains.

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Color

Yxy(37.1708, 0.3164, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	C495C3
RGB	196, 149, 195
RGB Percent	77%, 58%, 76%
CMY	0.2313, 0.4157, 0.2353
CMYK	0.00, 0.24, 0.01, 0.23
HSL	301°, 28%, 68%
HSV	301°, 24%, 77%
XYZ	43.3659, 37.1708, 56.5237
YIQ	168.2970, 13.2460, 24.2700

Conversions

Conversions Part 2

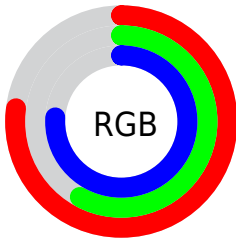
Format	Color
R_{YB}	196, 149, 195
Decimal	12883395
CIE _{Lab}	67.40, 25.42, -16.94
CIE _{LCh}	67, 30.544, 326.323
Yxy	37.1708, 0.3164, 0.2712
Android (android.graphics.Color)	4291073475 (0xFFC495C3)
YUV	168.2970, 13.1646, 24.2955
Hunter-Lab	60.9679, 20.2718, -12.2907

Details

The Yxy color **37.1708, 0.3164, 0.2712** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.0776, 0.3089, 0.3945**, and the grayscale version is **39.2420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6228, 0.3157, 0.2807**, and **16.4092, 0.3175, 0.2563** is the 20% darker color. If you saturate the color by 10%, you get **31.4644, 0.3180, 0.2472**, and if you desaturate by 10%, it is **43.9242, 0.3148, 0.2956**.

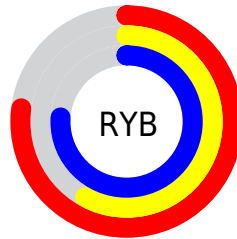
Distribution



Red (77%)

Green (58%)

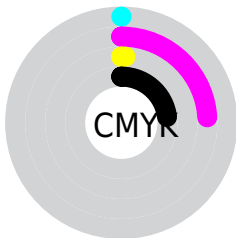
Blue (76%)



Red (77%)

Yellow (58%)

Blue (76%)

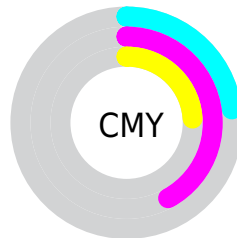


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (23%)



Cyan (23%)


Magenta (42%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1708, 0.3164, 0.2712 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 37.1708, 0.3164, 0.2712 by changing the saturation by 10% instead.


 37.1708, 0.3164,
0.2712


 37.1708, 0.3164,
0.2712


334.0494, 0.3150,
0.2998

 25.3398, 0.3166,
0.2642


 70.8354, 0.3160,
0.2815

 16.3304, 0.3167,
0.2552


 93.4377, 0.3158,
0.2854

 9.7582, 0.3168,
0.2434


120.3993, 0.3157,
0.2887

 5.2390, 0.3165,
0.2272

152.1045, 0.3155,
0.2916

 2.3881, 0.3154,
0.2038

188.9377, 0.3154,
0.2940

 0.8198, 0.3120,
0.1669

231.2833, 0.3153,

 0.0000, 0.2851,

0.2962

0.0000

279.5258, 0.3152,
0.2981

0.0000, 0.0000,
0.0000

37.1708, 0.3164,
0.2712

37.1708, 0.3164,
0.2712

31.4644, 0.3180,
0.2472

43.9242, 0.3148,
0.2956

26.7481, 0.3197,
0.2245

51.7685, 0.3133,
0.3196

22.9666, 0.3212,
0.2041

60.7506, 0.3119,
0.3428

20.0576, 0.3227,
0.1867

70.9136, 0.3106,
0.3647

17.9510, 0.3240,
0.1732

82.2982, 0.3094,
0.3851

■ 16.5659, 0.3250,
0.1640

■ 87.3129, 0.3088,
0.3927

■ 15.8047, 0.3259,
0.1589

■ 87.3322, 0.3086,
0.3922

■ 15.5357, 0.3263,
0.1571

■ 87.3515, 0.3084,
0.3917

■ 87.3709, 0.3081,
0.3912

Harmonies

Analogous

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



37.1708, 0.2724, 0.2565



37.1708, 0.3164, 0.2712



37.1708, 0.3625, 0.2988

Triad

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



37.1708, 0.3164, 0.2712



37.1708, 0.3866, 0.4002



37.1708, 0.2360, 0.3149

Complementary

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



37.1708, 0.3164, 0.2712



48.0776, 0.3089, 0.3945

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.



37.1708, 0.2627, 0.3605



37.1708, 0.3164, 0.2712



37.1708, 0.3493, 0.4124

Square

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



37.1708, 0.3164, 0.2712



37.1708, 0.4044, 0.3705



37.1708, 0.3038, 0.3983



37.1708, 0.2286, 0.2780

Rectangle

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



37.1708, 0.3164, 0.2712



37.1708, 0.3869, 0.3218



37.1708, 0.3038, 0.3983



37.1708, 0.2429, 0.3298

Sweetspot

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



37.1724, 0.3164, 0.2712



89.1107, 0.3138, 0.3122



31.9437, 0.2729, 0.2622



18.8828, 0.3138, 0.3107



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.



37.1724, 0.3164, 0.2712



61.4467, 0.3173, 0.2580



36.1998, 0.3387, 0.2995



10.2437, 0.3141, 0.3068



9.9825, 0.3263, 0.1571



0.4325, 0.3250, 0.1564

Inverse Universe

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



37.1724, 0.3164, 0.2712



61.4467, 0.3173, 0.2580



48.9039, 0.2927, 0.3605



10.2437, 0.3141, 0.3068



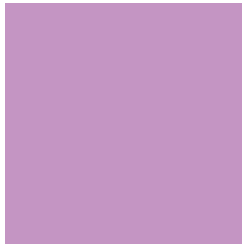
9.9825, 0.3263, 0.1571



0.4325, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 37.1708, 0.3164, 0.2712 looks on a white background.

Color Contrast Check

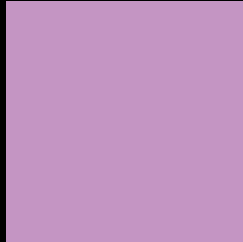
Large Text (above 18pt) WCAG AA × Fail

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 37.1708, 0.3164, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

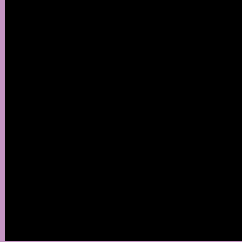
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1708, 0.3164, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 37.1708, 0.3164, 0.2712.



This preview shows how white text looks on a background with the Yxy color 37.1708, 0.3164, 0.2712.

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

37.1708, 0.3164, 0.2712

Protanopia

37.4240, 0.2722, 0.2729

Deuteranopia

37.2074, 0.2912, 0.2841



Tritanopia

37.0708, 0.3394, 0.3132

Trichromacy



Original Color

37.1708, 0.3164, 0.2712

Protanomaly

37.1058, 0.2865, 0.2716

Deuteranomaly

37.1370, 0.3001, 0.2788

Tritanomaly

36.9683, 0.3301, 0.2965

Monochromacy



Original Color

37.1708, 0.3164, 0.2712

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.1691, 0.3138, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1708, 0.3164, 0.2712 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(196, 149, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 149, 195)  
}
```

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(196, 149, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 149, 195) }
```

Border

The CSS property to change the border of an element to Yxy 37.1708, 0.3164, 0.2712 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(196, 149, 195) }
```

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

```
.border{ border-color:rgb(196, 149, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 149, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 149, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 149, 195);  
box-shadow:4px 4px 4px 4px rgb(196, 149,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1708, 0.3164, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 149, 195) }
```

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

```
.background{ background-color: rgb(196,  
149, 195) }
```

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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