

Converting Colors

$Y_{xy}(37.1295, 0.3202, 0.2785)$

Have a look what the booklet for
Yxy(37.1295, 0.3202, 0.2785)
contains.

Yxy(37.1325, 0.3200, 0.2782)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.1325, 0.3200, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	C396BE
RGB	195, 150, 190
RGB Percent	76%, 59%, 75%
CMY	0.2352, 0.4118, 0.2549
CMYK	0.00, 0.23, 0.03, 0.24
HSL	307°, 27%, 68%
HSV	307°, 23%, 76%
XYZ	42.7117, 37.1325, 53.6299
YIQ	168.0150, 13.9800, 21.9800

Conversions

Conversions Part 2

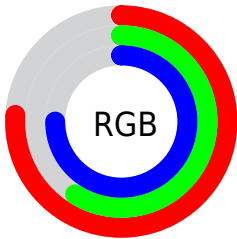
Format	Color
R_{YB}	195, 150, 190
Decimal	12818110
CIE _{Lab}	67.38, 23.60, -14.20
CIE _{LCh}	67, 27.537, 328.970
Yxy	37.1325, 0.3200, 0.2782
Android (android.graphics.Color)	4291008190 (0xFFC396BE)
YUV	168.0150, 10.8386, 23.6658
Hunter-Lab	60.9364, 18.4759, -9.5254

Details

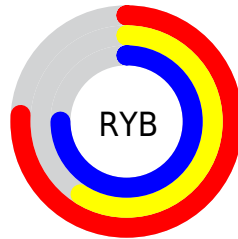
The Yxy color **37.1325, 0.3200, 0.2782** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.8947, 0.3062, 0.3857**, and the grayscale version is **39.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5350, 0.3191, 0.2872**, and **16.3925, 0.3213, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **31.3250, 0.3237, 0.2560**, and if you desaturate by 10%, it is **43.9805, 0.3166, 0.3006**.

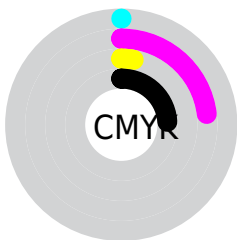
Distribution



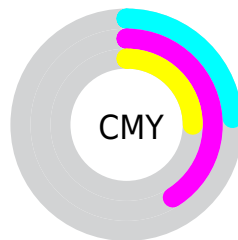
- Red (76%)
- Green (59%)
- Blue (75%)



- Red (76%)
- Yellow (59%)
- Blue (75%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (24%)





- Cyan (24%)
- Magenta (41%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1325, 0.3200, 0.2782 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 37.1325, 0.3200, 0.2782 by changing the saturation by 10% instead.


 37.1325, 0.3200,
0.2782


 37.1325, 0.3200,
0.2782


333.8838, 0.3167,
0.3035

 25.3101, 0.3207,
0.2719


 70.7765, 0.3189,
0.2874

 16.3082, 0.3216,
0.2639


 93.3669, 0.3184,
0.2908

 9.7425, 0.3227,
0.2533


120.3155, 0.3180,
0.2937

 5.2286, 0.3239,
0.2386

152.0065, 0.3177,
0.2962

 2.3820, 0.3253,
0.2170

188.8245, 0.3174,
0.2984

 0.8166, 0.3263,
0.1822

231.1538, 0.3171,

 0.0000, 0.3073,

0.3003

0.0000

279.3787, 0.3169,
0.3020

0.0000, 0.0000,
0.0000

37.1325, 0.3200,
0.2782

37.1325, 0.3200,
0.2782

31.3250, 0.3237,
0.2560

43.9805, 0.3166,
0.3006

26.5020, 0.3278,
0.2347

51.9119, 0.3136,
0.3224

22.6094, 0.3321,
0.2152

60.9730, 0.3109,
0.3433

19.5861, 0.3364,
0.1985

71.2059, 0.3086,
0.3630

17.3638, 0.3408,
0.1854

82.6508, 0.3066,
0.3813

■ 15.8637, 0.3449,
0.1766

■ 87.4415, 0.3052,
0.3864

■ 14.9913, 0.3488,
0.1721

■ 87.5462, 0.3040,
0.3839

■ 14.6326, 0.3514,
0.1709

■ 87.6523, 0.3028,
0.3814

■ 87.7599, 0.3016,
0.3789

Harmonies

Analogous

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



37.1325, 0.2795, 0.2636



37.1325, 0.3200, 0.2782



37.1325, 0.3609, 0.3043

Triad

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



37.1325, 0.3200, 0.2782



37.1325, 0.3773, 0.3953



37.1325, 0.2418, 0.3132

Complementary

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



37.1325, 0.3200, 0.2782



47.8947, 0.3062, 0.3857

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.



37.1325, 0.2648, 0.3539



37.1325, 0.3200, 0.2782



37.1325, 0.3426, 0.4038

Square

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



37.1325, 0.3200, 0.2782



37.1325, 0.3949, 0.3699



37.1325, 0.3014, 0.3887



37.1325, 0.2366, 0.2809

Rectangle

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



37.1325, 0.3200, 0.2782



37.1325, 0.3819, 0.3257



37.1325, 0.3014, 0.3887



37.1325, 0.2476, 0.3264

Sweetspot

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



37.1341, 0.3200, 0.2782



87.0015, 0.3147, 0.3137



32.6707, 0.2779, 0.2656



18.8588, 0.3149, 0.3124



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.



37.1341, 0.3200, 0.2782



60.7041, 0.3220, 0.2663



36.2439, 0.3413, 0.3055



10.2275, 0.3154, 0.3088



9.5148, 0.3509, 0.1707



0.4167, 0.3434, 0.1665

Inverse Universe

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



37.1341, 0.3200, 0.2782



60.7041, 0.3220, 0.2663



48.7022, 0.2909, 0.3539



10.2275, 0.3154, 0.3088



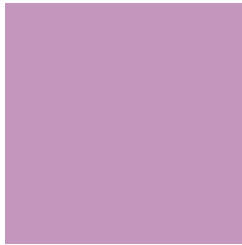
9.5148, 0.3509, 0.1707



0.4167, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 37.1325, 0.3200, 0.2782 looks on a white background.

Color Contrast Check

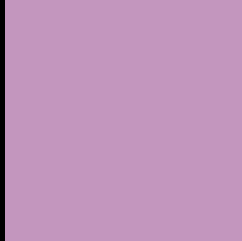
Large Text (above 18pt) WCAG AA × Fail

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 37.1325, 0.3200, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

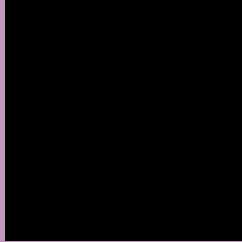
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1325, 0.3200, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 37.1325, 0.3200, 0.2782.



This preview shows how white text looks on a background with the Yxy color 37.1325, 0.3200, 0.2782.

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

37.1325, 0.3200, 0.2782

Protanopia

37.4860, 0.2782, 0.2795

Deuteranopia

37.2075, 0.2970, 0.2907



Tritanopia

37.0708, 0.3394, 0.3132

Trichromacy



Original Color

37.1325, 0.3200, 0.2782

Protanomaly

37.0972, 0.2922, 0.2781

Deuteranomaly

36.9160, 0.3044, 0.2850

Tritanomaly

37.2151, 0.3319, 0.3003

Monochromacy



Original Color

37.1325, 0.3200, 0.2782

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.0893, 0.3156, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1325, 0.3200, 0.2782 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(195, 150, 190)` looks like.

```
.text, #text, p{  
    color:rgb(195, 150, 190)  
}
```

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(195, 150, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 150, 190) }
```

Border

The CSS property to change the border of an element to Yxy 37.1325, 0.3200, 0.2782 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(195, 150, 190) }
```

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

```
.border{ border-color:rgb(195, 150, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 150, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 150, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 150, 190);  
box-shadow:4px 4px 4px 4px rgb(195, 150,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1325, 0.3200, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 150, 190) }
```

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

```
.background{ background-color: rgb(195,  
150, 190) }
```

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