

Converting Colors

$Y_{xy}(39.9170, 0.3358, 0.2726)$

Have a look what the booklet for
Yxy(39.9170, 0.3358, 0.2726)
contains.

Yxy(39.9170, 0.3358, 0.2726)	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(39.9170, 0.3358, 0.2726)

Conversions

Conversions Part 1

Format	Color
Hex	D994C4
RGB	217, 148, 196
RGB Percent	85%, 58%, 77%
CMY	0.1490, 0.4196, 0.2313
CMYK	0.00, 0.32, 0.10, 0.15
HSL	318°, 48%, 72%
HSV	318°, 32%, 85%
XYZ	49.1714, 39.9170, 57.3422
YIQ	174.1030, 25.7160, 29.5560

Conversions

Conversions Part 2

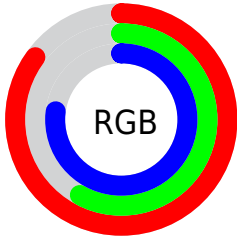
Format	Color
R _Y B	217, 148, 196
Decimal	14259396
CIE Lab	69.41, 33.24, -14.25
CIE LCh	69, 36.164, 336.791
Yxy	39.9170, 0.3358, 0.2726
Android (android.graphics.Color)	4292449476 (0xFFD994C4)
YUV	174.1030, 10.7952, 37.6207
Hunter-Lab	63.1799, 28.3575, -9.5858

Details

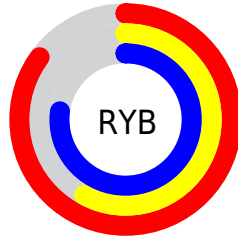
The Yxy color $39.9170, 0.3358, 0.2726$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $58.7908, 0.2955, 0.3932$, and the grayscale version is $42.3179, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.0637, 0.3165, 0.2800$, and $17.8958, 0.3422, 0.2577$ is the 20% darker color. If you saturate the color by 10%, you get $33.4431, 0.3456, 0.2548$, and if you desaturate by 10%, it is $47.6839, 0.3273, 0.2908$.

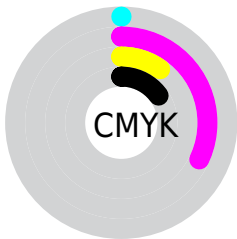
Distribution



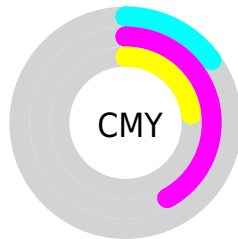
- Red (85%)
- Green (58%)
- Blue (77%)



- Red (85%)
- Yellow (58%)
- Blue (77%)



- Cyan (0%)
- Magenta (32%)
- Yellow (10%)
- Black (15%)





- Cyan (15%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9170, 0.3358, 0.2726 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 39.9170, 0.3358, 0.2726 by changing the saturation by 10% instead.


 39.9170, 0.3358,
0.2726


 39.9170, 0.3358,
0.2726


345.7736, 0.3246,
0.3002

 27.4738, 0.3385,
0.2659


 75.0371, 0.3318,
0.2825

 17.9294, 0.3419,
0.2575


 98.4828, 0.3303,
0.2862

 10.8993, 0.3463,
0.2465


126.3649, 0.3290,
0.2894

 5.9992, 0.3522,
0.2315

159.0676, 0.3279,
0.2921

 2.8446, 0.3606,
0.2101

196.9755, 0.3269,
0.2945

 1.0511, 0.3732,
0.1773

240.4728, 0.3260,

 0.0000, 0.4475,

0.2966

0.0000

289.9441, 0.3253,
0.2985

■ 0.0000, 0.0000,
0.0000

■ 39.9170, 0.3358,
0.2726

■ 39.9170, 0.3358,
0.2726

■ 33.4431, 0.3456,
0.2548

■ 47.6839, 0.3273,
0.2908

■ 28.1852, 0.3565,
0.2384

■ 56.8044, 0.3200,
0.3087

■ 24.0663, 0.3685,
0.2242

■ 67.3418, 0.3137,
0.3260

■ 20.9985, 0.3812,
0.2134

■ 79.3540, 0.3085,
0.3423

■ 18.8808, 0.3942,
0.2069

■ 91.9318, 0.3041,
0.3560

 17.5924, 0.4071,
0.2054

 92.3078, 0.3005,
0.3490

 16.9865, 0.4174,
0.2073

 92.6981, 0.2968,
0.3421

 93.1026, 0.2933,
0.3352

 93.4931, 0.2900,
0.3289

Harmonies

Analogous

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



39.9170, 0.2825, 0.2504



39.9170, 0.3358, 0.2726



39.9170, 0.3863, 0.3074

Triad

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



39.9170, 0.3358, 0.2726



39.9170, 0.3842, 0.4187



39.9170, 0.2195, 0.2953

Complementary

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



39.9170, 0.3358, 0.2726



58.7908, 0.2955, 0.3932

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.



39.9170, 0.2421, 0.3466



39.9170, 0.3358, 0.2726



39.9170, 0.3362, 0.4243

Square

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



39.9170, 0.3358, 0.2726



39.9170, 0.4144, 0.3890



39.9170, 0.2842, 0.3972



39.9170, 0.2193, 0.2598

Rectangle

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



39.9170, 0.3358, 0.2726



39.9170, 0.4092, 0.3346



39.9170, 0.2842, 0.3972



39.9170, 0.2246, 0.3112

Sweetspot

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



39.9188, 0.3358, 0.2726



84.3060, 0.3188, 0.3117



34.5922, 0.2732, 0.2398



17.6092, 0.3198, 0.3092



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.



39.9188, 0.3358, 0.2726



51.2121, 0.3420, 0.2609



38.5345, 0.3705, 0.3124



13.2038, 0.3184, 0.3129



10.3014, 0.4157, 0.2064



0.6824, 0.3966, 0.1958

Inverse Universe

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



39.9188, 0.3358, 0.2726



51.2121, 0.3420, 0.2609



60.2479, 0.2752, 0.3466



13.2038, 0.3184, 0.3129



10.3014, 0.4157, 0.2064



0.6824, 0.3966, 0.1958

Previews

White Background



This preview shows how the Yxy color 39.9170, 0.3358, 0.2726 looks on a white background.

Color Contrast Check

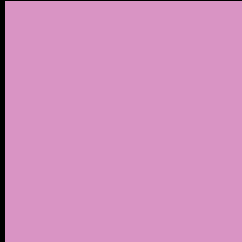
Large Text (above 18pt) WCAG AA × Fail

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 39.9170, 0.3358, 0.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

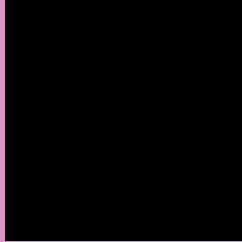
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9170, 0.3358, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 39.9170, 0.3358, 0.2726.



This preview shows how white text looks on a background with the Yxy color 39.9170, 0.3358, 0.2726.

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

39.9170, 0.3358, 0.2726

Protanopia

40.1320, 0.2733, 0.2733

Deuteranopia

39.9906, 0.2992, 0.2919



Tritanopia

39.9739, 0.3615, 0.3156

Trichromacy



Original Color

39.9170, 0.3358, 0.2726

Protanomaly

39.7213, 0.2939, 0.2726

Deuteranomaly

39.7677, 0.3120, 0.2845

Tritanomaly

39.8872, 0.3519, 0.2999

Monochromacy



Original Color

39.9170, 0.3358, 0.2726

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.2348, 0.3212, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9170, 0.3358, 0.2726 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(217, 148, 196)` looks like.

```
.text, #text, p{  
    color:rgb(217, 148, 196)  
}
```

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(217, 148, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 148, 196) }
```

Border

The CSS property to change the border of an element to Yxy 39.9170, 0.3358, 0.2726 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(217, 148, 196) }
```

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

```
.border{ border-color:rgb(217, 148, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 148, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 148, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 148, 196);  
box-shadow:4px 4px 4px 4px rgb(217, 148,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9170, 0.3358, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 148, 196) }
```

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

```
.background{ background-color: rgb(217,  
148, 196) }
```

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