

Converting Colors

$Y_{xy}(32.9159, 0.3211, 0.2543)$

Have a look what the booklet for
Yxy(32.9159, 0.3211, 0.2543)
contains.

Yxy(32.9510, 0.3203, 0.2540)	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(32.9510, 0.3203, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	C686C2
RGB	198, 134, 194
RGB Percent	78%, 53%, 76%
CMY	0.2236, 0.4745, 0.2391
CMYK	0.00, 0.32, 0.02, 0.22
HSL	304°, 36%, 65%
HSV	304°, 32%, 78%
XYZ	41.5520, 32.9510, 55.2254
YIQ	159.9760, 18.8840, 32.2280

Conversions

Conversions Part 2

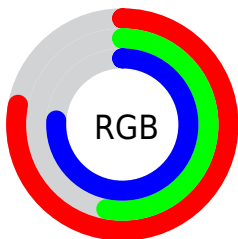
Format	Color
R _{YB}	198, 134, 194
Decimal	13010626
CIE _{Lab}	64.12, 34.13, -21.36
CIE _{LCh}	64, 40.261, 327.961
Yxy	32.9510, 0.3203, 0.2540
Android (android.graphics.Color)	4291200706 (0xFFC686C2)
YUV	159.9760, 16.7738, 33.3470
Hunter-Lab	57.4030, 28.7547, -16.8587

Details

The Yxy color **32.9510, 0.3203, 0.2540** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.2871, 0.3057, 0.4176**, and the grayscale version is **35.0580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1915, 0.3187, 0.2670**, and **13.9196, 0.3216, 0.2337** is the 20% darker color. If you saturate the color by 10%, you get **27.9271, 0.3230, 0.2317**, and if you desaturate by 10%, it is **39.0028, 0.3177, 0.2773**.

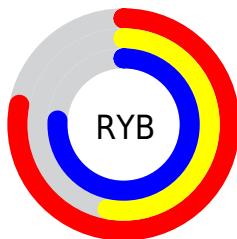
Distribution



Red (78%)

Green (53%)

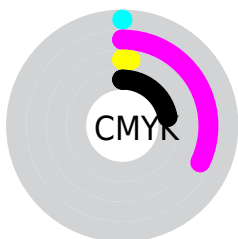
Blue (76%)



Red (78%)

Yellow (53%)

Blue (76%)

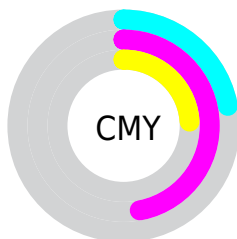


Cyan (0%)

Magenta (32%)

Yellow (2%)

Black (22%)



Cyan (22%)


Magenta (47%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9510, 0.3203, 0.2540 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 32.9510, 0.3203, 0.2540 by changing the saturation by 10% instead.


 32.9510, 0.3203,
0.2540


 32.9510, 0.3203,
0.2540


315.4289, 0.3173,
0.2912


 22.0889, 0.3208,
0.2449


 64.2990, 0.3194,
0.2674

 13.9222, 0.3213,
0.2332


 85.5537, 0.3190,
0.2725

 8.0666, 0.3217,
0.2180


 111.0415, 0.3186,
0.2768

 4.1376, 0.3217,
0.1971

141.1466, 0.3183,
0.2805

 1.7508, 0.3204,
0.1674

176.2535, 0.3180,
0.2837

 0.4562, 0.3200,
0.1088

216.7466, 0.3177,


 0.0000, 0.2147,


0.2865


0.0000


263.0102, 0.3175,
0.2890


 0.0000, 0.0000,
0.0000


 32.9510, 0.3203,
0.2540


 32.9510, 0.3203,
0.2540


 27.9271, 0.3230,
0.2317


 39.0028, 0.3177,
0.2773


 23.8695, 0.3257,
0.2113


 46.1311, 0.3154,
0.3008


 20.7167, 0.3285,
0.1938


 54.3864, 0.3132,
0.3238


 18.3983, 0.3311,
0.1800


 63.8149, 0.3112,
0.3458


 16.8336, 0.3335,
0.1703

 74.4604, 0.3095,
0.3666


 15.9260, 0.3356,
0.1650

 86.3640, 0.3080,
0.3858

 15.5383, 0.3372,
0.1631

 87.8180, 0.3072,
0.3866

 87.8765, 0.3066,
0.3852

 87.9355, 0.3059,
0.3839

Harmonies

Analogous

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



32.9510, 0.2605, 0.2337



32.9510, 0.3203, 0.2540



32.9510, 0.3839, 0.2902

Triad

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



32.9510, 0.3203, 0.2540



32.9510, 0.4095, 0.4255



32.9510, 0.2088, 0.3044

Complementary

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



32.9510, 0.3203, 0.2540



47.2871, 0.3057, 0.4176

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.



32.9510, 0.2418, 0.3689



32.9510, 0.3203, 0.2540



32.9510, 0.3571, 0.4447

Square

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



32.9510, 0.3203, 0.2540



32.9510, 0.4372, 0.3842



32.9510, 0.2956, 0.4249



32.9510, 0.2014, 0.2566

Rectangle

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



32.9510, 0.3203, 0.2540



32.9510, 0.4171, 0.3201



32.9510, 0.2956, 0.4249



32.9510, 0.2171, 0.3249

Sweetspot

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



32.9525, 0.3203, 0.2540



84.6944, 0.3149, 0.3058



26.4640, 0.2583, 0.2352



17.7037, 0.3152, 0.3025



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.



32.9525, 0.3203, 0.2540



51.7158, 0.3222, 0.2376



31.6933, 0.3532, 0.2914



10.8048, 0.3147, 0.3076



10.1106, 0.3369, 0.1630



0.4823, 0.3333, 0.1610

Inverse Universe

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



32.9525, 0.3203, 0.2540



51.7158, 0.3222, 0.2376



48.3250, 0.2850, 0.3702



10.8048, 0.3147, 0.3076



10.1106, 0.3369, 0.1630



0.4823, 0.3333, 0.1610

Previews

White Background



This preview shows how the Yxy color 32.9510, 0.3203, 0.2540 looks on a white background.

Color Contrast Check

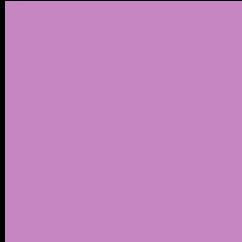
Large Text (above 18pt) WCAG AA × Fail

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 32.9510, 0.3203, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

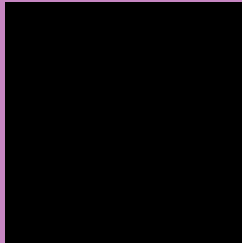
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9510, 0.3203, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 32.9510, 0.3203, 0.2540.



This preview shows how white text looks on a background with the Yxy color 32.9510, 0.3203, 0.2540.

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

32.9510, 0.3203, 0.2540

Protanopia

33.2407, 0.2571, 0.2532

Deuteranopia

32.9904, 0.2799, 0.2735



Tritanopia

32.9834, 0.3566, 0.3143

Trichromacy



Original Color

32.9510, 0.3203, 0.2540



Protanomaly

32.7563, 0.2771, 0.2528



Deuteranomaly

32.4916, 0.2933, 0.2647



Tritanomaly

32.8945, 0.3433, 0.2910

Monochromacy



Original Color

32.9510, 0.3203, 0.2540



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

34.1104, 0.3161, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9510, 0.3203, 0.2540 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, 134, 194)` looks like.

```
.text, #text, p{  
    color:rgb(198, 134, 194)  
}
```

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, 134, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 134, 194) }
```

Border

The CSS property to change the border of an element to Yxy 32.9510, 0.3203, 0.2540 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, 134, 194) }
```

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

```
.border{ border-color:rgb(198, 134, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 134, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 134, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 134, 194);  
box-shadow:4px 4px 4px 4px rgb(198, 134,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9510, 0.3203, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 134, 194) }
```

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

```
.background{ background-color: rgb(198,  
134, 194) }
```

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