

Converting Colors

$Y_{xy}(26.0720, 0.3176, 0.2151)$

Have a look what the booklet for
Yxy(26.0720, 0.3176, 0.2151)
contains.

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Color

Yxy(25.9836, 0.3181, 0.2150)

Conversions

Conversions Part 1

Format	Color
Hex	C668C6
RGB	198, 104, 198
RGB Percent	78%, 41%, 78%
CMY	0.2233, 0.5923, 0.2235
CMYK	0.00, 0.48, 0.00, 0.22
HSL	300°, 45%, 59%
HSV	300°, 48%, 78%
XYZ	38.4436, 25.9836, 56.4267
YIQ	142.8220, 25.8500, 49.1620

Conversions

Conversions Part 2

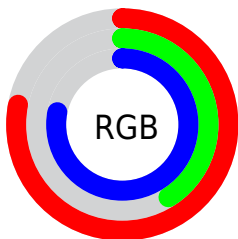
Format	Color
R _Y B	198, 104, 198
Decimal	13002950
CIE Lab	58.02, 50.71, -33.02
CIE LCh	58, 60.517, 326.928
Yxy	25.9836, 0.3181, 0.2150
Android (android.graphics.Color)	4291193030 (0xFFC668C6)
YUV	142.8220, 27.2028, 48.3911
Hunter-Lab	50.9741, 45.4164, -29.9503

Details

The Yxy color **25.9836, 0.3181, 0.2150** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.3522, 0.3057, 0.4773**, and the grayscale version is **27.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **10.1321, 0.3163, 0.1845** is the 20% darker color. If you saturate the color by 10%, you get **22.4563, 0.3190, 0.1953**, and if you desaturate by 10%, it is **30.4493, 0.3170, 0.2373**.

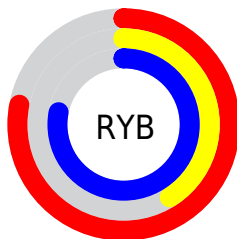
Distribution



Red (78%)

Green (41%)

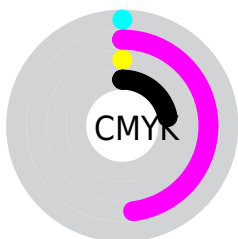
Blue (78%)



Red (78%)

Yellow (41%)

Blue (78%)

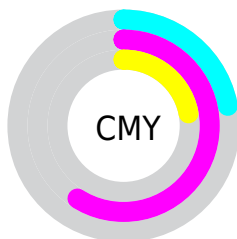


Cyan (0%)

Magenta (48%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (59%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9836, 0.3181, 0.2150 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 25.9836, 0.3181, 0.2150 by changing the saturation by 10% instead.


 25.9836, 0.3181,
0.2150


 25.9836, 0.3181,
0.2150


282.7016, 0.3174,
0.2713


 16.8114, 0.3176,
0.2014


 53.2485, 0.3183,
0.2351


 10.1001, 0.3165,
0.1844


 72.1099, 0.3183,
0.2428

 5.4654, 0.3144,
0.1625


 94.9699, 0.3182,
0.2493

 2.5228, 0.3100,
0.1338

 122.2128, 0.3180,
0.2549

 0.8880, 0.3003,
0.0956

154.2230, 0.3179,
0.2598

 0.0000, 0.2908,
0.0000

191.3850, 0.3177,

 0.0000, 0.0000,

0.2641

0.0000

234.0830, 0.3175,
0.2679

■ 25.9836, 0.3181,
0.2150

■ 25.9836, 0.3181,
0.2150

■ 22.4563, 0.3190,
0.1953

■ 30.4493, 0.3170,
0.2373

■ 19.7974, 0.3198,
0.1791

■ 35.9100, 0.3159,
0.2613

■ 17.9327, 0.3204,
0.1669

■ 42.4220, 0.3147,
0.2861


■ 16.7741, 0.3208,
0.1590

■ 50.0363, 0.3136,
0.3109

■ 16.1966, 0.3210,
0.1550


■ 58.8006, 0.3124,
0.3349

 16.0893, 0.3210,
0.1542

 68.7599, 0.3114,
0.3578

 79.9566, 0.3103,
0.3792

 87.6134, 0.3098,
0.3918

 87.6137, 0.3098,
0.3918

Harmonies

Analogous

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



25.9836, 0.2274, 0.1868



25.9836, 0.3181, 0.2150



25.9836, 0.4238, 0.2650

Triad

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



25.9836, 0.3181, 0.2150



25.9836, 0.4581, 0.4676



25.9836, 0.1559, 0.2860

Complementary

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



25.9836, 0.3181, 0.2150



44.3522, 0.3057, 0.4773

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.



25.9836, 0.2014, 0.3977



25.9836, 0.3181, 0.2150



25.9836, 0.3751, 0.5167

Square

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



25.9836, 0.3181, 0.2150



25.9836, 0.5077, 0.3975



25.9836, 0.2815, 0.4978



25.9836, 0.1471, 0.2148

Rectangle

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



25.9836, 0.3181, 0.2150



25.9836, 0.4801, 0.3063



25.9836, 0.2815, 0.4978



25.9836, 0.1667, 0.3199

Sweetspot

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



25.9848, 0.3181, 0.2150



79.2989, 0.3144, 0.2943



16.9145, 0.2233, 0.1811



16.3677, 0.3146, 0.2889



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.



25.9848, 0.3181, 0.2150



39.5533, 0.3191, 0.1947



24.1413, 0.3754, 0.2678



10.8166, 0.3138, 0.3062



10.4572, 0.3210, 0.1542



0.4952, 0.3210, 0.1542

Inverse Universe

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



25.9848, 0.3181, 0.2150



39.5533, 0.3191, 0.1947



45.5874, 0.2775, 0.4016



10.8166, 0.3138, 0.3062



10.4572, 0.3210, 0.1542



0.4952, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 25.9836, 0.3181, 0.2150 looks on a white background.

Color Contrast Check

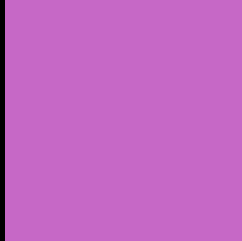
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9836, 0.3181, 0.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

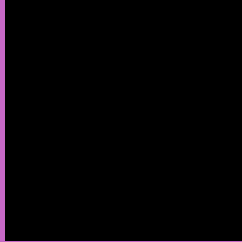
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9836, 0.3181, 0.2150

Background



This preview shows how black text looks on a background with the Yxy color 25.9836, 0.3181, 0.2150.



This preview shows how white text looks on a background with the Yxy color 25.9836, 0.3181, 0.2150.

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

25.9836, 0.3181, 0.2150

Protanopia

26.3856, 0.2185, 0.2023

Deuteranopia

26.2678, 0.2522, 0.2462



Tritanopia

25.8367, 0.3881, 0.3167

Trichromacy



Original Color

25.9836, 0.3181, 0.2150



Protanomaly

25.1141, 0.2456, 0.2030



Deuteranomaly

25.3961, 0.2731, 0.2315



Tritanomaly

25.5742, 0.3616, 0.2753

Monochromacy



Original Color

25.9836, 0.3181, 0.2150



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.1314, 0.3151, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9836, 0.3181, 0.2150 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, 104, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 104, 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, 104, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 104, 198) }
```

Border

The CSS property to change the border of an element to Yxy 25.9836, 0.3181, 0.2150 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, 104, 198) }
```

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

```
.border{ border-color:rgb(198, 104, 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, 104, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 104, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 104, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 104,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9836, 0.3181, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 104, 198) }
```

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

```
.background{ background-color: rgb(198,  
104, 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](#).

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