

Converting Colors

$Y_{xy}(19.9724, 0.3801, 0.2426)$

Have a look what the booklet for
Yxy(19.9724, 0.3801, 0.2426)
contains.

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Color

Yxy(19.9724, 0.3801, 0.2426)

Conversions

Conversions Part 1

Format	Color
Hex	C45296
RGB	196, 82, 150
RGB Percent	77%, 32%, 59%
CMY	0.2313, 0.6785, 0.4117
CMYK	0.00, 0.58, 0.23, 0.23
HSL	324°, 49%, 55%
HSV	324°, 58%, 77%
XYZ	31.2923, 19.9724, 31.0618
YIQ	123.8380, 46.1160, 45.3160

Conversions

Conversions Part 2

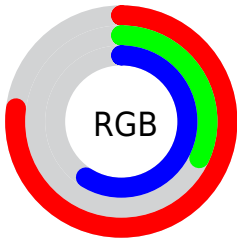
Format	Color
R_{YB}	196, 82, 150
Decimal	12866198
CIE _{Lab}	51.81, 52.98, -14.75
CIE _{LCh}	52, 55.000, 344.441
Yxy	19.9724, 0.3801, 0.2426
Android (android.graphics.Color)	4291056278 (0xFFC45296)
YUV	123.8380, 12.8979, 63.2861
Hunter-Lab	44.6905, 46.7774, -9.9257

Details

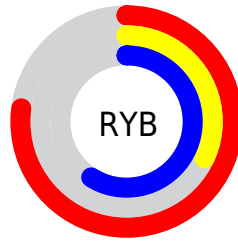
The Yxy color **19.9724, 0.3801, 0.2426** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **42.8428, 0.2789, 0.4406**, and the grayscale version is **20.0431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2280, 0.3662, 0.2597**, and **7.0026, 0.4042, 0.2144** is the 20% darker color. If you saturate the color by 10%, you get **17.1818, 0.3975, 0.2322**, and if you desaturate by 10%, it is **23.6264, 0.3643, 0.2558**.

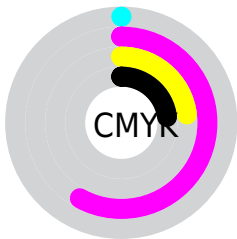
Distribution



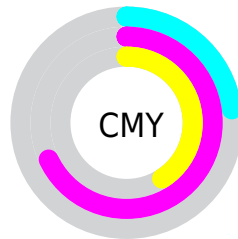
- Red (77%)
- Green (32%)
- Blue (59%)



- Red (77%)
- Yellow (32%)
- Blue (59%)



- Cyan (0%)
- Magenta (58%)
- Yellow (23%)
- Black (23%)



- Cyan (23%)
- Magenta (68%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9724, 0.3801, 0.2426 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 19.9724, 0.3801, 0.2426 by changing the saturation by 10% instead.


 19.9724, 0.3801,
0.2426


 19.9724, 0.3801,
0.2426

251.7657, 0.3434,
0.2885


 12.3750, 0.3903,
0.2303


 43.3709, 0.3660,
0.2599


 6.9996, 0.4041,
0.2140


 59.9408, 0.3610,
0.2662

 3.4618, 0.4237,
0.1916


 80.2703, 0.3568,
0.2715

 1.3773, 0.4535,
0.1591

 104.7438, 0.3532,
0.2759

 0.1999, 0.5291,
0.0637

 133.7457, 0.3503,
0.2798

 0.0000, 0.9080,
0.0000

167.6603, 0.3477,

 0.0000, 0.0000,

0.2831

0.0000

206.8722, 0.3454,
0.2860

■ 19.9724, 0.3801,
0.2426

■ 19.9724, 0.3801,
0.2426

■ 17.1818, 0.3975,
0.2322

■ 23.6264, 0.3643,
0.2558

■ 15.1772, 0.4158,
0.2259

■ 28.2065, 0.3502,
0.2706

■ 13.8724, 0.4345,
0.2244

■ 33.7730, 0.3380,
0.2863

■ 13.1333, 0.4528,
0.2278

■ 40.3802, 0.3276,
0.3019

■ 13.0216, 0.4562,
0.2287

■ 48.0784, 0.3188,
0.3171

■ 56.9146, 0.3115,
0.3316

■ 66.9332, 0.3053,
0.3451

■ 78.1759, 0.3002,
0.3577

■ 88.4901, 0.2960,
0.3657

Harmonies

Analogous

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



19.9724, 0.2770, 0.2011



19.9724, 0.3801, 0.2426



19.9724, 0.4732, 0.3013

Triad

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



19.9724, 0.3801, 0.2426



19.9724, 0.4117, 0.5004



19.9724, 0.1477, 0.2395

Complementary

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



19.9724, 0.3801, 0.2426



42.8428, 0.2789, 0.4406

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.



19.9724, 0.1711, 0.3291



19.9724, 0.3801, 0.2426



19.9724, 0.3205, 0.5152

Square

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



19.9724, 0.3801, 0.2426



19.9724, 0.4833, 0.4386



19.9724, 0.2320, 0.4448



19.9724, 0.1578, 0.1940

Rectangle

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



19.9724, 0.3801, 0.2426



19.9724, 0.5060, 0.3453



19.9724, 0.2320, 0.4448



19.9724, 0.1515, 0.2644

Sweetspot

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



19.9734, 0.3801, 0.2426



74.3162, 0.3268, 0.3033



14.5770, 0.2417, 0.1614



15.3426, 0.3287, 0.3002



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.



19.9734, 0.3801, 0.2426



29.9156, 0.4027, 0.2299



18.5684, 0.4715, 0.3152



10.1765, 0.3198, 0.3154



8.3820, 0.4537, 0.2273



0.3755, 0.4165, 0.2068

Inverse Universe

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



19.9734, 0.3801, 0.2426



29.9156, 0.4027, 0.2299



44.7710, 0.2469, 0.3461



10.1765, 0.3198, 0.3154



8.3820, 0.4537, 0.2273



0.3755, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 19.9724, 0.3801, 0.2426 looks on a white background.

Color Contrast Check

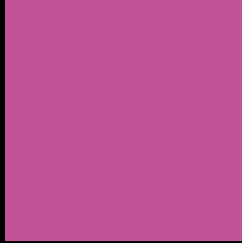
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9724, 0.3801, 0.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

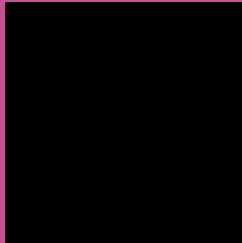
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9724, 0.3801, 0.2426

Background



This preview shows how black text looks on a background with the Yxy color 19.9724, 0.3801, 0.2426.



This preview shows how white text looks on a background with the Yxy color 19.9724, 0.3801, 0.2426.

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

19.9724, 0.3801, 0.2426

Protanopia

20.2379, 0.2426, 0.2334

Deuteranopia

20.2004, 0.2945, 0.2885



Tritanopia

19.8252, 0.4472, 0.3200

Trichromacy



Original Color

19.9724, 0.3801, 0.2426



Protanomaly

18.8315, 0.2827, 0.2317



Deuteranomaly

19.2661, 0.3234, 0.2663



Tritanomaly

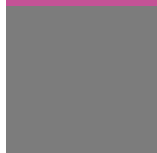
19.7902, 0.4236, 0.2908

Monochromacy



Original Color

19.9724, 0.3801, 0.2426



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.1148, 0.3371, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9724, 0.3801, 0.2426 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, 82, 150)` looks like.

```
.text, #text, p{  
    color:rgb(196, 82, 150)  
}
```

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, 82, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 82, 150) }
```

Border

The CSS property to change the border of an element to Yxy 19.9724, 0.3801, 0.2426 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, 82, 150) }
```

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

```
.border{ border-color:rgb(196, 82, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 82, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 82, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 82, 150);  
box-shadow:4px 4px 4px 4px rgb(196, 82,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9724, 0.3801, 0.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 82, 150) }
```

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

```
.background{ background-color: rgb(196, 82,  
150) }
```

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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