

Converting Colors

$Y_{xy}(19.4845, 0.3223, 0.1765)$

Have a look what the booklet for
Yxy(19.4845, 0.3223, 0.1765)
contains.

Yxy(19.4845, 0.3223, 0.1765)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.4845, 0.3223, 0.1765)

Conversions

Conversions Part 1

Format	Color
Hex	C83BC6
RGB	200, 59, 198
RGB Percent	78%, 23%, 78%
CMY	0.2157, 0.7687, 0.2234
CMYK	0.00, 0.71, 0.01, 0.22
HSL	301°, 56%, 51%
HSV	301°, 71%, 78%
XYZ	35.5799, 19.4845, 55.3294
YIQ	117.0050, 39.4170, 73.1210

Conversions

Conversions Part 2

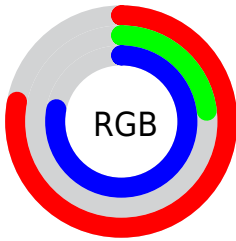
Format	Color
R_{YB}	200, 59, 198
Decimal	13122502
CIE _{Lab}	51.25, 70.48, -43.65
CIE _{LCh}	51, 82.905, 328.229
Yxy	19.4845, 0.3223, 0.1765
Android (android.graphics.Color)	4291312582 (0xFFC83BC6)
YUV	117.0050, 39.9305, 72.7866
Hunter-Lab	44.1413, 66.6322, -43.4189

Details

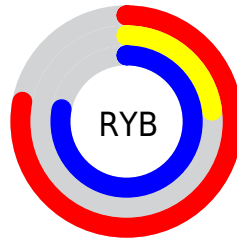
The Yxy color **19.4845, 0.3223, 0.1765** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **42.5770, 0.3015, 0.5510**, and the grayscale version is **17.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **7.7340, 0.3192, 0.1532** is the 20% darker color. If you saturate the color by 10%, you get **17.7960, 0.3232, 0.1657**, and if you desaturate by 10%, it is **21.9620, 0.3212, 0.1914**.

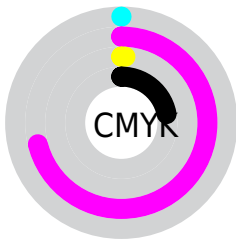
Distribution



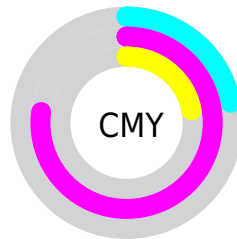
- Red (78%)
- Green (23%)
- Blue (78%)



- Red (78%)
- Yellow (23%)
- Blue (78%)



- Cyan (0%)
- Magenta (71%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (77%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4845, 0.3223, 0.1765 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 19.4845, 0.3223, 0.1765 by changing the saturation by 10% instead.


 19.4845, 0.3223,
0.1765


 19.4845, 0.3223,
0.1765


249.1106, 0.3211,
0.2511


 12.0209, 0.3213,
0.1591


 42.5512, 0.3228,
0.2029


 6.7579, 0.3192,
0.1377


 58.9231, 0.3227,
0.2130


 3.3112, 0.3150,
0.1112


 79.0332, 0.3225,
0.2217

 1.2963, 0.3063,
0.0787

 103.2659, 0.3223,
0.2292

 0.1383, 0.2951,
0.0177

 132.0056, 0.3220,
0.2357

 0.0000, 0.2492,
0.0000

165.6366, 0.3217,

 0.0000, 0.0000,

0.2415

0.0000

204.5435, 0.3214,
0.2465

■ 19.4845, 0.3223,
0.1765

■ 19.4845, 0.3223,
0.1765

■ 17.7960, 0.3232,
0.1657

■ 21.9620, 0.3212,
0.1914

■ 16.7982, 0.3239,
0.1592


■ 25.3062, 0.3199,
0.2100

■ 16.3206, 0.3245,
0.1561


■ 29.5888, 0.3185,
0.2315


■ 34.8731, 0.3170,
0.2549

■ 41.2168, 0.3156,
0.2793

 48.6735, 0.3141,
0.3038

 57.2930, 0.3128,
0.3278

 67.1220, 0.3115,
0.3508

 78.2050, 0.3103,
0.3724

Harmonies

Analogous

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



19.4845, 0.1957, 0.1407



19.4845, 0.3223, 0.1765



19.4845, 0.4831, 0.2390

Triad

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



19.4845, 0.3223, 0.1765



19.4845, 0.4890, 0.5011



19.4845, 0.0993, 0.2496

Complementary

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



19.4845, 0.3223, 0.1765



42.5770, 0.3015, 0.5510

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.



19.4845, 0.1464, 0.4229



19.4845, 0.3223, 0.1765



19.4845, 0.3681, 0.5989

Square

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



19.4845, 0.3223, 0.1765



19.4845, 0.5760, 0.3979



19.4845, 0.2459, 0.5967



19.4845, 0.0954, 0.1637

Rectangle

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



19.4845, 0.3223, 0.1765



19.4845, 0.5643, 0.2887



19.4845, 0.2459, 0.5967



19.4845, 0.1092, 0.2974

Sweetspot

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



19.4854, 0.3223, 0.1765



70.4152, 0.3157, 0.2773



8.2266, 0.1779, 0.1061



14.3817, 0.3161, 0.2704



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.



19.4854, 0.3223, 0.1765



29.6882, 0.3237, 0.1615



17.0050, 0.4254, 0.2462



10.8140, 0.3140, 0.3066



10.3778, 0.3244, 0.1561



0.4922, 0.3236, 0.1556

Inverse Universe

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



19.4854, 0.3223, 0.1765



29.6882, 0.3237, 0.1615



43.8387, 0.2691, 0.4460



10.8140, 0.3140, 0.3066



10.3778, 0.3244, 0.1561



0.4922, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 19.4845, 0.3223, 0.1765 looks on a white background.

Color Contrast Check

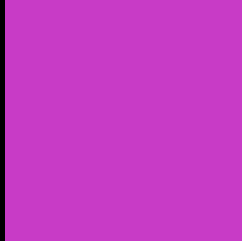
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4845, 0.3223, 0.1765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

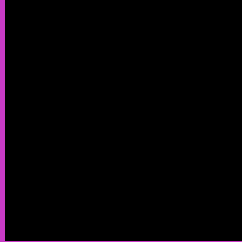
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4845, 0.3223, 0.1765

Background



This preview shows how black text looks on a background with the Yxy color 19.4845, 0.3223, 0.1765.



This preview shows how white text looks on a background with the Yxy color 19.4845, 0.3223, 0.1765.

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

19.4845, 0.3223, 0.1765

Protanopia

19.9851, 0.1734, 0.1441

Deuteranopia

19.7236, 0.2243, 0.2184



Tritanopia

19.3740, 0.4469, 0.3199

Trichromacy



Original Color

19.4845, 0.3223, 0.1765



Protanomaly

15.7921, 0.1867, 0.1366



Deuteranomaly

17.4753, 0.2501, 0.1886



Tritanomaly

18.8240, 0.4001, 0.2576

Monochromacy



Original Color

19.4845, 0.3223, 0.1765



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6441, 0.3179, 0.2472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4845, 0.3223, 0.1765 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(200, 59, 198)` looks like.

```
.text, #text, p{  
    color:rgb(200, 59, 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(200, 59, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 59, 198) }
```

Border

The CSS property to change the border of an element to Yxy 19.4845, 0.3223, 0.1765 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(200, 59, 198) }
```

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

```
.border{ border-color:rgb(200, 59, 198) }
```

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

Here you see how a box with a 4 pixel rgb(200, 59, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 59, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 59, 198);  
box-shadow:4px 4px 4px 4px rgb(200, 59,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4845, 0.3223, 0.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 59, 198) }
```

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

```
.background{ background-color: rgb(200, 59,  
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](#).

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