

Converting Colors

$Y_{xy}(19.4029, 0.3270, 0.1827)$

Have a look what the booklet for
Yxy(19.4029, 0.3270, 0.1827)
contains.

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Color

Yxy(19.3666, 0.3271, 0.1832)

Conversions

Conversions Part 1

Format	Color
Hex	C63FC0
RGB	198, 63, 192
RGB Percent	78%, 25%, 75%
CMY	0.2235, 0.7529, 0.2472
CMYK	0.00, 0.68, 0.03, 0.22
HSL	303°, 54%, 51%
HSV	303°, 68%, 78%
XYZ	34.5787, 19.3666, 51.7676
YIQ	118.0710, 39.0510, 68.7390

Conversions

Conversions Part 2

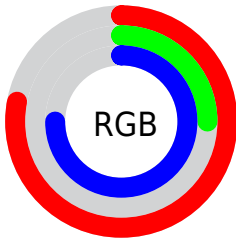
Format	Color
RYB	198, 63, 192
Decimal	12992448
CIELab	51.11, 67.66, -40.38
CIElCh	51, 78.793, 329.167
Yxy	19.3666, 0.3271, 0.1832
Android (android.graphics.Color)	4291182528 (0xFFC63FC0)
YUV	118.0710, 36.4470, 70.0977
Hunter-Lab	44.0075, 63.2424, -38.9397

Details

The Yxy color **19.3666, 0.3271, 0.1832** 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 **41.8777, 0.3002, 0.5390**, and the grayscale version is **18.0167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7743, 0.3239, 0.2076**, and **7.4104, 0.3244, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **17.5151, 0.3290, 0.1716**, and if you desaturate by 10%, it is **22.0085, 0.3250, 0.1988**.

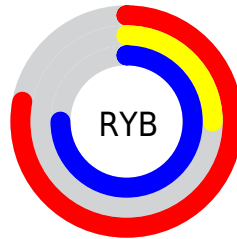
Distribution



Red (78%)

Green (25%)

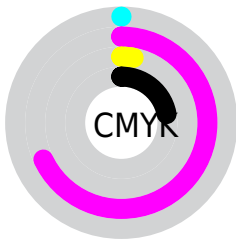
Blue (75%)



Red (78%)

Yellow (25%)

Blue (75%)

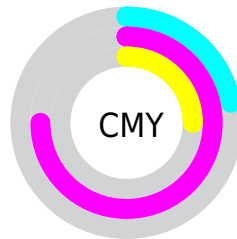


Cyan (0%)

Magenta (68%)

Yellow (3%)

Black (22%)



Cyan (22%)

Magenta (75%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3666, 0.3271, 0.1832 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 19.3666, 0.3271, 0.1832 by changing the saturation by 10% instead.


 19.3666, 0.3271,
0.1832


 19.3666, 0.3271,
0.1832


248.4652, 0.3229,
0.2553


 11.9355, 0.3270,
0.1661


 42.3527, 0.3264,
0.2089

 6.6998, 0.3261,
0.1448


 58.6764, 0.3259,
0.2187

 3.2750, 0.3235,
0.1182


 78.7331, 0.3253,
0.2271

 1.2770, 0.3173,
0.0848

 102.9072, 0.3248,
0.2343

 0.1233, 0.3108,
0.0178

 131.5830, 0.3243,
0.2406

 0.0000, 0.2651,
0.0000

165.1450, 0.3238,

 0.0000, 0.0000,

0.2461

0.0000

203.9776, 0.3233,
0.2510

■ 19.3666, 0.3271,
0.1832

■ 19.3666, 0.3271,
0.1832

■ 17.5151, 0.3290,
0.1716

■ 22.0085, 0.3250,
0.1988

■ 16.3622, 0.3307,
0.1644

■ 25.5140, 0.3228,
0.2178

■ 15.7727, 0.3322,
0.1610

■ 29.9511, 0.3205,
0.2393

■ 15.6872, 0.3325,
0.1605

■ 35.3802, 0.3183,
0.2625

■ 41.8566, 0.3162,
0.2863

■ 49.4316, 0.3142,
0.3101

■ 58.1532, 0.3124,
0.3331

■ 68.0663, 0.3108,
0.3551

■ 79.2137, 0.3093,
0.3756

Harmonies

Analogous

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



19.3666, 0.2033, 0.1471



19.3666, 0.3271, 0.1832



19.3666, 0.4799, 0.2451

Triad

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



19.3666, 0.3271, 0.1832



19.3666, 0.4820, 0.5011



19.3666, 0.1054, 0.2504

Complementary

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



19.3666, 0.3271, 0.1832



41.8777, 0.3002, 0.5390

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.



19.3666, 0.1511, 0.4127



19.3666, 0.3271, 0.1832



19.3666, 0.3663, 0.5908

Square

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



19.3666, 0.3271, 0.1832



19.3666, 0.5661, 0.4025



19.3666, 0.2474, 0.5788



19.3666, 0.1019, 0.1684

Rectangle

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



19.3666, 0.3271, 0.1832



19.3666, 0.5558, 0.2942



19.3666, 0.2474, 0.5788



19.3666, 0.1151, 0.2955

Sweetspot

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



19.3675, 0.3271, 0.1832



71.5198, 0.3166, 0.2812



8.8456, 0.1847, 0.1141



14.5912, 0.3172, 0.2744



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.



19.3675, 0.3271, 0.1832



29.8388, 0.3299, 0.1674



17.0696, 0.4277, 0.2532



10.8081, 0.3144, 0.3072



10.2048, 0.3323, 0.1604



0.4858, 0.3297, 0.1590

Inverse Universe

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



19.3675, 0.3271, 0.1832



29.8388, 0.3299, 0.1674



43.1970, 0.2671, 0.4334



10.8081, 0.3144, 0.3072



10.2048, 0.3323, 0.1604



0.4858, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 19.3666, 0.3271, 0.1832 looks on a white background.

Color Contrast Check

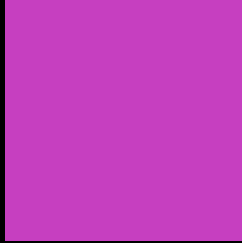
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3666, 0.3271, 0.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

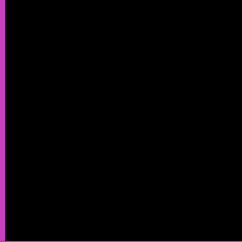
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3666, 0.3271, 0.1832

Background



This preview shows how black text looks on a background with the Yxy color 19.3666, 0.3271, 0.1832.

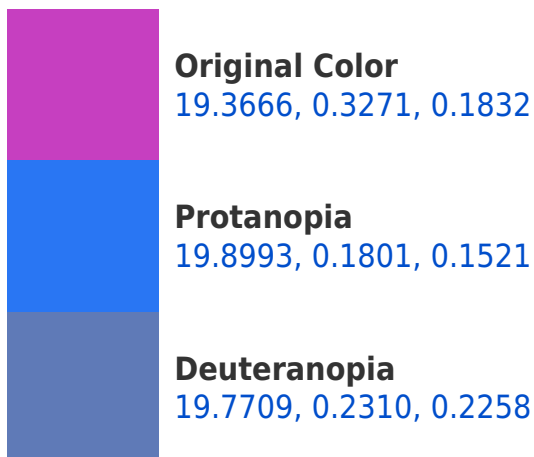


This preview shows how white text looks on a background with the Yxy color 19.3666, 0.3271, 0.1832.

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





Tritanopia

19.4209, 0.4450, 0.3212

Trichromacy



Original Color

19.3666, 0.3271, 0.1832



Protanomaly

16.7139, 0.2039, 0.1491



Deuteranomaly

17.7581, 0.2575, 0.1985



Tritanomaly

18.9345, 0.4013, 0.2621

Monochromacy



Original Color

19.3666, 0.3271, 0.1832



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

16.9827, 0.3190, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3666, 0.3271, 0.1832 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, 63, 192)` looks like.

```
.text, #text, p{  
    color:rgb(198, 63, 192)  
}
```

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, 63, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 63, 192) }
```

Border

The CSS property to change the border of an element to Yxy 19.3666, 0.3271, 0.1832 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, 63, 192) }
```

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

```
.border{ border-color:rgb(198, 63, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 63, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 63, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 63, 192);  
box-shadow:4px 4px 4px 4px rgb(198, 63,  
192) }
```


Background

The CSS property to change the background color of an element to `rgb(19.3666, 0.3271, 0.1832)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 63, 192) }
```

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

```
.background{ background-color: rgb(198, 63,  
192) }
```

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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