

Converting Colors

$Y_{xy}(19.4262, 0.3046, 0.1643)$

Have a look what the booklet for
Yxy(19.4262, 0.3046, 0.1643)
contains.

Yxy(19.4497, 0.3051, 0.1643)	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(19.4497, 0.3051, 0.1643)

Conversions

Conversions Part 1

Format	Color
Hex	C539D2
RGB	197, 57, 210
RGB Percent	77%, 22%, 82%
CMY	0.2275, 0.7763, 0.1765
CMYK	0.06, 0.73, 0.00, 0.18
HSL	295°, 63%, 52%
HSV	295°, 73%, 82%
XYZ	36.1175, 19.4497, 62.8120
YIQ	116.3020, 34.3270, 77.2630

Conversions

Conversions Part 2

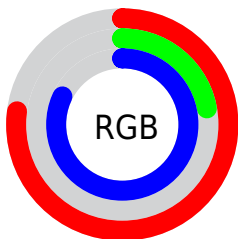
Format	Color
RYB	197, 57, 210
Decimal	12925394
CIELab	51.21, 72.46, -50.61
CIELCh	51, 88.388, 325.066
Yxy	19.4497, 0.3051, 0.1643
Android (android.graphics.Color)	4291115474 (0xFFC539D2)
YUV	116.3020, 46.1931, 70.7721
Hunter-Lab	44.1018, 69.0056, -53.5725

Details

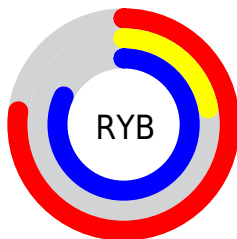
The Yxy color **19.4497, 0.3051, 0.1643** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **47.6838, 0.3070, 0.5565**, and the grayscale version is **17.4146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2026, 0.3188, 0.2001**, and **7.8555, 0.2954, 0.1401** is the 20% darker color. If you saturate the color by 10%, you get **17.5454, 0.3031, 0.1527**, and if you desaturate by 10%, it is **22.2166, 0.3069, 0.1802**.

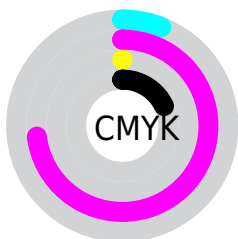
Distribution



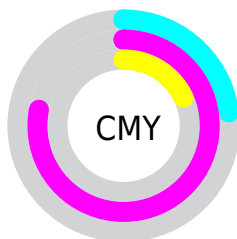
- Red (77%)
- Green (22%)
- Blue (82%)



- Red (77%)
- Yellow (22%)
- Blue (82%)



- Cyan (6%)
- Magenta (73%)
- Yellow (0%)
- Black (18%)





- Cyan (23%)
- Magenta (78%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4497, 0.3051, 0.1643 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 19.4497, 0.3051, 0.1643 by changing the saturation by 10% instead.


 19.4497, 0.3051,
0.1643


 19.4497, 0.3051,
0.1643


248.9202, 0.3137,
0.2434


 11.9957, 0.3014,
0.1464


 42.4926, 0.3094,
0.1918


 6.7407, 0.2957,
0.1248


 58.8503, 0.3107,
0.2026


 3.3005, 0.2868,
0.0986


 78.9446, 0.3116,
0.2118

 1.2906, 0.2718,
0.0675

 103.1600, 0.3123,
0.2198

 0.1339, 0.2504,
0.0140

 131.8809, 0.3128,
0.2268

 0.0000, 0.1984,
0.0000

165.4916, 0.3132,

 0.0000, 0.0000,

0.2330

0.0000

204.3766, 0.3135,
0.2385

■ 19.4497, 0.3051,
0.1643

■ 19.4497, 0.3051,
0.1643

■ 17.5454, 0.3031,
0.1527

■ 22.2166, 0.3069,
0.1802

■ 16.3877, 0.3010,
0.1455

■ 25.9378, 0.3085,
0.1997

■ 15.8773, 0.2995,
0.1423

■ 30.6962, 0.3099,
0.2222


■ 36.5650, 0.3109,
0.2466

■ 43.6106, 0.3117,
0.2720

 51.8944, 0.3123,
0.2974

 61.4735, 0.3127,
0.3222

 72.4012, 0.3128,
0.3458

 84.7280, 0.3128,
0.3679

Harmonies

Analogous

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



19.4497, 0.1793, 0.1310



19.4497, 0.3051, 0.1643



19.4497, 0.4763, 0.2260

Triad

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



19.4497, 0.3051, 0.1643



19.4497, 0.5065, 0.4931



19.4497, 0.0928, 0.2576

Complementary

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



19.4497, 0.3051, 0.1643



47.6838, 0.3070, 0.5565

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.



19.4497, 0.1451, 0.4527



19.4497, 0.3051, 0.1643



19.4497, 0.3787, 0.6035

Square

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



19.4497, 0.3051, 0.1643



19.4497, 0.5930, 0.3849



19.4497, 0.2512, 0.6268



19.4497, 0.0860, 0.1610

Rectangle

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



19.4497, 0.3051, 0.1643



19.4497, 0.5692, 0.2760



19.4497, 0.2512, 0.6268



19.4497, 0.1040, 0.3118

Sweetspot

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



19.4506, 0.3051, 0.1643



68.3880, 0.3118, 0.2735



10.2005, 0.1780, 0.1160



13.9494, 0.3116, 0.2665



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.



19.4506, 0.3051, 0.1643



26.1747, 0.3020, 0.1485



18.7924, 0.4056, 0.2279



11.9559, 0.3124, 0.3060



9.7084, 0.2998, 0.1425



0.5582, 0.3039, 0.1448

Inverse Universe

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



17.0713, 0.5420, 0.3175



22.6040, 0.6025, 0.3211



48.2688, 0.2765, 0.4764



11.8243, 0.3277, 0.3271



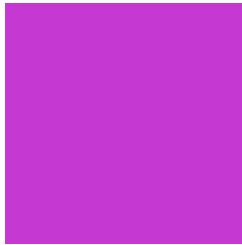
8.3903, 0.6298, 0.3243



0.4749, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 19.4497, 0.3051, 0.1643 looks on a white background.

Color Contrast Check

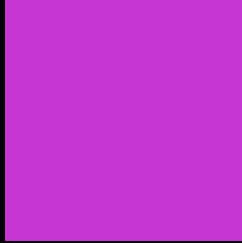
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4497, 0.3051, 0.1643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

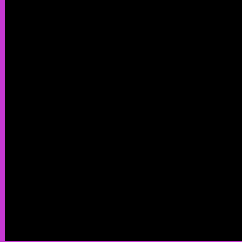
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4497, 0.3051, 0.1643

Background



This preview shows how black text looks on a background with the Yxy color 19.4497, 0.3051, 0.1643.

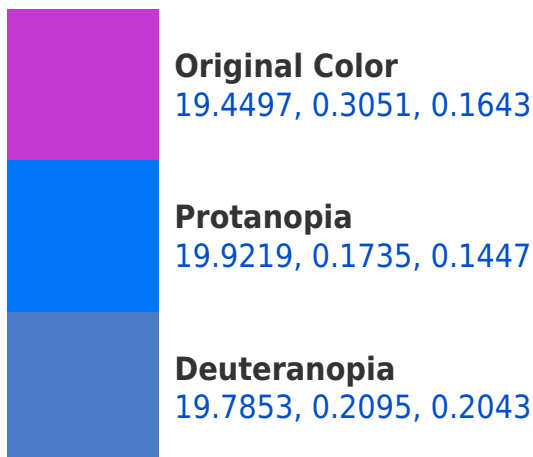


This preview shows how white text looks on a background with the Yxy color 19.4497, 0.3051, 0.1643.

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

19.3341, 0.4339, 0.3195

Trichromacy



Original Color

19.4497, 0.3051, 0.1643



Protanomaly

15.7996, 0.1848, 0.1327



Deuteranomaly

17.1574, 0.2317, 0.1740



Tritanomaly

18.6268, 0.3850, 0.2495

Monochromacy



Original Color

19.4497, 0.3051, 0.1643



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.4062, 0.3102, 0.2392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4497, 0.3051, 0.1643 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(197, 57, 210)` looks like.

```
.text, #text, p{  
    color:rgb(197, 57, 210)  
}
```

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(197, 57, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 57, 210) }
```

Border

The CSS property to change the border of an element to Yxy 19.4497, 0.3051, 0.1643 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(197, 57, 210) }
```

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

```
.border{ border-color:rgb(197, 57, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 57, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 57, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 57, 210);  
box-shadow:4px 4px 4px 4px rgb(197, 57,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4497, 0.3051, 0.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 57, 210) }
```

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

```
.background{ background-color: rgb(197, 57,  
210) }
```

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