

Converting Colors

$Y_{xy}(19.8130, 0.3230, 0.2150)$

Have a look what the booklet for
Yxy(19.8130, 0.3230, 0.2150)
contains.

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Color

Yxy(19.7049, 0.3219, 0.2138)

Conversions

Conversions Part 1

Format	Color
Hex	B259AF
RGB	178, 89, 175
RGB Percent	70%, 35%, 69%
CMY	0.3020, 0.6509, 0.3138
CMYK	0.00, 0.50, 0.02, 0.30
HSL	302°, 37%, 52%
HSV	302°, 50%, 70%
XYZ	29.6679, 19.7049, 42.7923
YIQ	125.4150, 25.4380, 45.6140

Conversions

Conversions Part 2

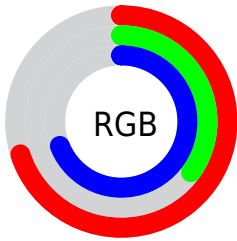
Format	Color
R_{YB}	178, 89, 175
Decimal	11688367
CIE _{Lab}	51.50, 48.22, -30.12
CIE _{LCh}	52, 56.848, 328.011
Yxy	19.7049, 0.3219, 0.2138
Android (android.graphics.Color)	4289878447 (0xFFB259AF)
YUV	125.4150, 24.4454, 46.1170
Hunter-Lab	44.3902, 41.6166, -26.0826

Details

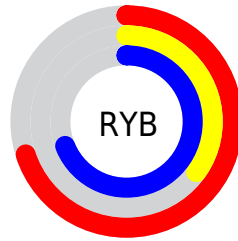
The Yxy color **19.7049, 0.3219, 0.2138** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.7349, 0.3036, 0.4799**, and the grayscale version is **20.5662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7777, 0.3208, 0.2351**, and **6.8778, 0.3216, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **17.0690, 0.3238, 0.1953**, and if you desaturate by 10%, it is **23.0588, 0.3200, 0.2350**.

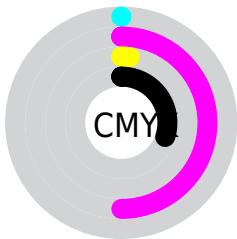
Distribution



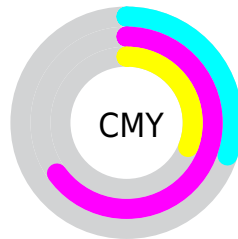
- Red (70%)
- Green (35%)
- Blue (69%)



- Red (70%)
- Yellow (35%)
- Blue (69%)



- Cyan (0%)
- Magenta (50%)
- Yellow (2%)
- Black (30%)





- Cyan (30%)
- Magenta (65%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7049, 0.3219, 0.2138 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 19.7049, 0.3219, 0.2138 by changing the saturation by 10% instead.


 19.7049, 0.3219,
0.2138


 19.7049, 0.3219,
0.2138


250.3131, 0.3190,
0.2732


 12.1807, 0.3219,
0.1987


 42.9219, 0.3213,
0.2357


 6.8669, 0.3213,
0.1793


 59.3834, 0.3210,
0.2438

 3.3790, 0.3196,
0.1536


 79.5929, 0.3206,
0.2507

 1.3326, 0.3148,
0.1190

 103.9348, 0.3203,
0.2565

 0.1663, 0.3134,
0.0363

132.7933, 0.3199,
0.2615

 0.0000, 0.2066,
0.0000

166.5529, 0.3196,

 0.0000, 0.0000,

0.2659

0.0000

205.5980, 0.3193,
0.2698

■ 19.7049, 0.3219,
0.2138

■ 19.7049, 0.3219,
0.2138

■ 17.0690, 0.3238,
0.1953

■ 23.0588, 0.3200,
0.2350

■ 15.0960, 0.3255,
0.1802

■ 27.1753, 0.3180,
0.2580

■ 13.7271, 0.3270,
0.1692

■ 32.0986, 0.3162,
0.2818

■ 12.8920, 0.3284,
0.1624

■ 37.8685, 0.3144,
0.3057

■ 12.4425, 0.3295,
0.1589

■ 44.5225, 0.3127,
0.3290

■ 12.4421, 0.3295,
0.1589

■ 52.0957, 0.3112,
0.3513

■ 60.6212, 0.3098,
0.3722

■ 70.1306, 0.3086,
0.3916

■ 80.6541, 0.3075,
0.4094

Harmonies

Analogous

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



19.7049, 0.2278, 0.1842



19.7049, 0.3219, 0.2138



19.7049, 0.4307, 0.2654

Triad

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



19.7049, 0.3219, 0.2138



19.7049, 0.4584, 0.4726



19.7049, 0.1512, 0.2808

Complementary

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



19.7049, 0.3219, 0.2138



34.7349, 0.3036, 0.4799

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.



19.7049, 0.1958, 0.3953



19.7049, 0.3219, 0.2138



19.7049, 0.3724, 0.5229

Square

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



19.7049, 0.3219, 0.2138



19.7049, 0.5117, 0.4006



19.7049, 0.2766, 0.5012



19.7049, 0.1437, 0.2099

Rectangle

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



19.7049, 0.3219, 0.2138



19.7049, 0.4875, 0.3076



19.7049, 0.2766, 0.5012



19.7049, 0.1617, 0.3151

Sweetspot

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



19.7058, 0.3219, 0.2138



62.9694, 0.3153, 0.2932



12.6353, 0.2214, 0.1746



13.4771, 0.3157, 0.2882



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.7058, 0.3219, 0.2138



30.5270, 0.3240, 0.1935



18.2372, 0.3840, 0.2694



8.6417, 0.3143, 0.3073



8.9054, 0.3294, 0.1588



0.2817, 0.3268, 0.1574

Inverse Universe

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



19.7058, 0.3219, 0.2138



30.5270, 0.3240, 0.1935



35.7528, 0.2744, 0.4002



8.6417, 0.3143, 0.3073



8.9054, 0.3294, 0.1588



0.2817, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 19.7049, 0.3219, 0.2138 looks on a white background.

Color Contrast Check

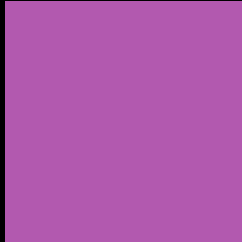
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7049, 0.3219, 0.2138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

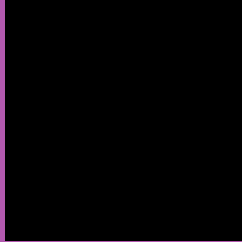
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7049, 0.3219, 0.2138

Background



This preview shows how black text looks on a background with the Yxy color 19.7049, 0.3219, 0.2138.



This preview shows how white text looks on a background with the Yxy color 19.7049, 0.3219, 0.2138.

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

19.7049, 0.3219, 0.2138

Protanopia

20.1632, 0.2168, 0.2004

Deuteranopia

20.0348, 0.2529, 0.2480



Tritanopia

19.6165, 0.3951, 0.3169

Trichromacy



Original Color

19.7049, 0.3219, 0.2138

Protanomaly

18.9540, 0.2452, 0.2008

Deuteranomaly

19.1605, 0.2744, 0.2310

Tritanomaly

19.5572, 0.3674, 0.2757

Monochromacy



Original Color

19.7049, 0.3219, 0.2138

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5008, 0.3164, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7049, 0.3219, 0.2138 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(178, 89, 175)` looks like.

```
.text, #text, p{  
    color:rgb(178, 89, 175)  
}
```

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(178, 89, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 89, 175) }
```

Border

The CSS property to change the border of an element to Yxy 19.7049, 0.3219, 0.2138 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(178, 89, 175) }
```

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

```
.border{ border-color:rgb(178, 89, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 89, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 89, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 89, 175);  
box-shadow:4px 4px 4px 4px rgb(178, 89,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7049, 0.3219, 0.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 89, 175) }
```

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

```
.background{ background-color: rgb(178, 89,  
175) }
```

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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