

Converting Colors

$Y_{xy}(19.8378, 0.3021, 0.1977)$

Have a look what the booklet for
Yxy(19.8378, 0.3021, 0.1977)
contains.

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Color

Yxy(19.9328, 0.3021, 0.1978)

Conversions

Conversions Part 1

Format	Color
Hex	AF59BD
RGB	175, 89, 189
RGB Percent	69%, 35%, 74%
CMY	0.3136, 0.6511, 0.2588
CMYK	0.07, 0.53, 0.00, 0.26
HSL	292°, 43%, 55%
HSV	292°, 53%, 74%
XYZ	30.4434, 19.9328, 50.3963
YIQ	126.1140, 19.1560, 49.3320

Conversions

Conversions Part 2

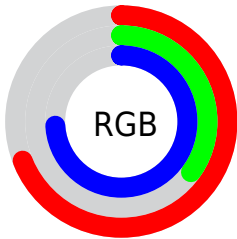
Format	Color
R _Y B	175, 89, 189
Decimal	11491773
CIE _{Lab}	51.76, 50.03, -37.88
CIE _{LCh}	52, 62.749, 322.870
Yxy	19.9328, 0.3021, 0.1978
Android (android.graphics.Color)	4289681853 (0xFFAF59BD)
YUV	126.1140, 31.0028, 42.8730
Hunter-Lab	44.6462, 43.5850, -35.6739

Details

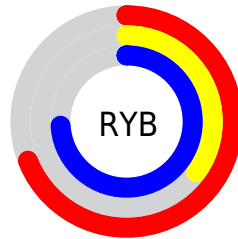
The Yxy color **19.9328, 0.3021, 0.1978** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.0048, 0.3143, 0.4914**, and the grayscale version is **20.7918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1556, 0.3054, 0.2212**, and **7.0041, 0.2941, 0.1616** is the 20% darker color. If you saturate the color by 10%, you get **16.8796, 0.2989, 0.1772**, and if you desaturate by 10%, it is **23.8012, 0.3049, 0.2211**.

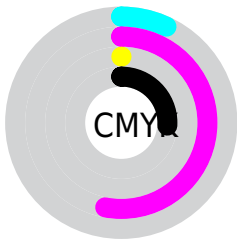
Distribution



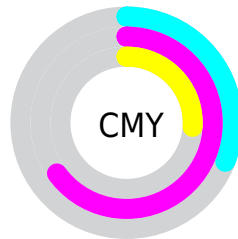
- Red (69%)
- Green (35%)
- Blue (74%)



- Red (69%)
- Yellow (35%)
- Blue (74%)



- Cyan (7%)
- Magenta (53%)
- Yellow (0%)
- Black (26%)




- Cyan (31%)
- Magenta (65%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9328, 0.3021, 0.1978 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 19.9328, 0.3021, 0.1978 by changing the saturation by 10% instead.


 19.9328, 0.3021,
0.1978


 19.9328, 0.3021,
0.1978


251.5511, 0.3106,
0.2641


 12.3462, 0.2988,
0.1815


 43.3045, 0.3060,
0.2218


 6.9799, 0.2938,
0.1609


 59.8584, 0.3073,
0.2309

 3.4495, 0.2857,
0.1345


 80.1701, 0.3082,
0.2386

 1.3707, 0.2719,
0.1003

 104.6242, 0.3089,
0.2452

 0.1950, 0.2523,
0.0319

133.6049, 0.3095,
0.2509

 0.0000, 0.1620,
0.0000

167.4967, 0.3099,

 0.0000, 0.0000,

0.2558

0.0000

206.6840, 0.3103,
0.2602

■ 19.9328, 0.3021,
0.1978

■ 19.9328, 0.3021,
0.1978

■ 16.8796, 0.2989,
0.1772

■ 23.8012, 0.3049,
0.2211

■ 14.5757, 0.2955,
0.1601

■ 28.5386, 0.3074,
0.2461

■ 12.9496, 0.2920,
0.1473

■ 34.1974, 0.3094,
0.2718

■ 11.9141, 0.2883,
0.1389

■ 40.8249, 0.3111,
0.2973

■ 11.4185, 0.2858,
0.1348

■ 48.4653, 0.3124,
0.3220

■ 57.1600, 0.3134,
0.3454

■ 66.9481, 0.3141,
0.3673

■ 77.8667, 0.3146,
0.3875

■ 87.3114, 0.3152,
0.4021

Harmonies

Analogous

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



19.9328, 0.2068, 0.1710



19.9328, 0.3021, 0.1978



19.9328, 0.4223, 0.2488

Triad

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



19.9328, 0.3021, 0.1978



19.9328, 0.4807, 0.4674



19.9328, 0.1437, 0.2930

Complementary

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



19.9328, 0.3021, 0.1978



40.0048, 0.3143, 0.4914

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.



19.9328, 0.1972, 0.4259



19.9328, 0.3021, 0.1978



19.9328, 0.3909, 0.5342

Square

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



19.9328, 0.3021, 0.1978



19.9328, 0.5324, 0.3885



19.9328, 0.2882, 0.5328



19.9328, 0.1306, 0.2084

Rectangle

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



19.9328, 0.3021, 0.1978



19.9328, 0.4910, 0.2920



19.9328, 0.2882, 0.5328



19.9328, 0.1567, 0.3336

Sweetspot

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



19.9337, 0.3021, 0.1978



68.9532, 0.3106, 0.2888



15.6950, 0.2169, 0.1865



14.2986, 0.3102, 0.2836



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



19.9337, 0.3021, 0.1978



29.2526, 0.2982, 0.1733



20.2953, 0.3637, 0.2428



9.6268, 0.3116, 0.3062



7.7062, 0.2863, 0.1351



0.3207, 0.2951, 0.1399

Inverse Universe

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



18.9407, 0.4427, 0.3105



27.5034, 0.4924, 0.3085



39.9803, 0.2841, 0.4377



9.5575, 0.3267, 0.3258



7.3376, 0.6194, 0.3186



0.2945, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 19.9328, 0.3021, 0.1978 looks on a white background.

Color Contrast Check

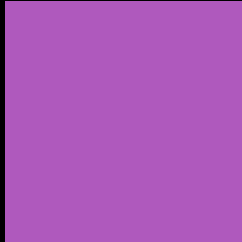
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9328, 0.3021, 0.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

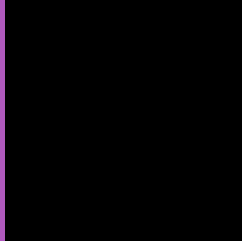
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9328, 0.3021, 0.1978

Background



This preview shows how black text looks on a background with the Yxy color 19.9328, 0.3021, 0.1978.



This preview shows how white text looks on a background with the Yxy color 19.9328, 0.3021, 0.1978.

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

19.9328, 0.3021, 0.1978

Protanopia

20.3990, 0.2025, 0.1818

Deuteranopia

20.1815, 0.2336, 0.2282



Tritanopia

19.9854, 0.3807, 0.3166

Trichromacy



Original Color

19.9328, 0.3021, 0.1978



Protanomaly

19.0197, 0.2273, 0.1826



Deuteranomaly

19.3073, 0.2539, 0.2127



Tritanomaly

19.7255, 0.3504, 0.2661

Monochromacy



Original Color

19.9328, 0.3021, 0.1978



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.9095, 0.3093, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9328, 0.3021, 0.1978 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(175, 89, 189)` looks like.

```
.text, #text, p{  
    color:rgb(175, 89, 189)  
}
```

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(175, 89, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 89, 189) }
```

Border

The CSS property to change the border of an element to Yxy 19.9328, 0.3021, 0.1978 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(175, 89, 189) }
```

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

```
.border{ border-color:rgb(175, 89, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 89, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 89, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 89, 189); box-shadow:4px 4px 4px 4px rgb(175, 89, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9328, 0.3021, 0.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 89, 189) }
```

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

```
.background{ background-color: rgb(175, 89,  
189) }
```

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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