

Converting Colors

$Y_{xy}(19.9641, 0.3194, 0.2462)$

Have a look what the booklet for
Yxy(19.9641, 0.3194, 0.2462)
contains.

Yxy(19.9809, 0.3191, 0.2461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9809, 0.3191, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	A1689F
RGB	161, 104, 159
RGB Percent	63%, 41%, 62%
CMY	0.3686, 0.5922, 0.3764
CMYK	0.00, 0.35, 0.01, 0.37
HSL	302°, 23%, 52%
HSV	302°, 35%, 63%
XYZ	25.9078, 19.9809, 35.3015
YIQ	127.3130, 16.3170, 29.1890

Conversions

Conversions Part 2

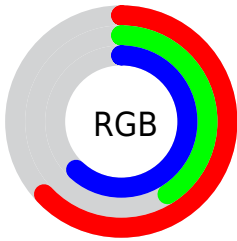
Format	Color
R_{YB}	161, 104, 159
Decimal	10578079
CIE _{Lab}	51.82, 31.88, -20.47
CIE _{LCh}	52, 37.889, 327.294
Yxy	19.9809, 0.3191, 0.2461
Android (android.graphics.Color)	4288768159 (0xFFA1689F)
YUV	127.3130, 15.6217, 29.5435
Hunter-Lab	44.7000, 25.2323, -15.5338

Details

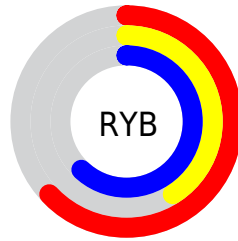
The Yxy color **19.9809, 0.3191, 0.2461** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.4735, 0.3063, 0.4288**, and the grayscale version is **21.2783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3837, 0.3186, 0.2625**, and **6.9821, 0.3198, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **17.0248, 0.3210, 0.2241**, and if you desaturate by 10%, it is **23.5577, 0.3172, 0.2694**.

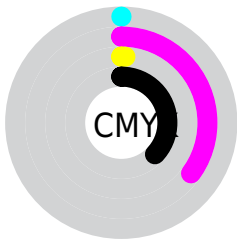
Distribution



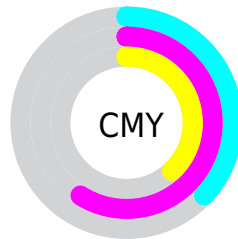
- Red (63%)
- Green (41%)
- Blue (62%)



- Red (63%)
- Yellow (41%)
- Blue (62%)



- Cyan (0%)
- Magenta (35%)
- Yellow (1%)
- Black (37%)





- Cyan (37%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9809, 0.3191, 0.2461 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 19.9809, 0.3191, 0.2461 by changing the saturation by 10% instead.


 19.9809, 0.3191,
0.2461


 19.9809, 0.3191,
0.2461


251.8117, 0.3166,
0.2904


 12.3812, 0.3194,
0.2341


 43.3852, 0.3184,
0.2629


 7.0038, 0.3194,
0.2183


 59.9585, 0.3181,
0.2689

 3.4645, 0.3188,
0.1963

 80.2918, 0.3178,
0.2740

 1.3788, 0.3165,
0.1642

 104.7694, 0.3175,
0.2783

 0.2010, 0.3250,
0.0669

133.7759, 0.3173,
0.2820

 0.0000, 0.0000,
0.0000

167.6954, 0.3170,

0.2851

206.9126, 0.3168,
0.2879

■ 19.9809, 0.3191,
0.2461

■ 19.9809, 0.3191,
0.2461

■ 17.0248, 0.3210,
0.2241

■ 23.5577, 0.3172,
0.2694

■ 14.6514, 0.3230,
0.2043

■ 27.7850, 0.3153,
0.2931

■ 12.8226, 0.3248,
0.1875

■ 32.6940, 0.3136,
0.3166

■ 11.4949, 0.3265,
0.1744


■ 38.3130, 0.3120,
0.3393


■ 10.6180, 0.3279,
0.1655

■ 44.6688, 0.3105,
0.3608


 10.1268, 0.3292,
0.1606

 51.7867, 0.3092,
0.3809

 9.9575, 0.3297,
0.1590

 59.6910, 0.3081,
0.3994

 68.4047, 0.3070,
0.4164

 77.9500, 0.3061,
0.4319

Harmonies

Analogous

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



19.9809, 0.2536, 0.2244



19.9809, 0.3191, 0.2461



19.9809, 0.3903, 0.2850

Triad

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



19.9809, 0.3191, 0.2461



19.9809, 0.4200, 0.4339



19.9809, 0.1990, 0.3023

Complementary

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



19.9809, 0.3191, 0.2461



29.4735, 0.3063, 0.4288

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.



19.9809, 0.2351, 0.3750



19.9809, 0.3191, 0.2461



19.9809, 0.3621, 0.4579

Square

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



19.9809, 0.3191, 0.2461



19.9809, 0.4508, 0.3871



19.9809, 0.2944, 0.4380



19.9809, 0.1907, 0.2494

Rectangle

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



19.9809, 0.3191, 0.2461



19.9809, 0.4279, 0.3172



19.9809, 0.2944, 0.4380



19.9809, 0.2080, 0.3253

Sweetspot

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



19.9818, 0.3191, 0.2461



53.2983, 0.3146, 0.3031



15.5319, 0.2522, 0.2262



11.4522, 0.3148, 0.3001



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.9818, 0.3191, 0.2461



31.7709, 0.3205, 0.2297



19.1057, 0.3562, 0.2869



7.1979, 0.3143, 0.3076



7.9539, 0.3296, 0.1589



0.1684, 0.3262, 0.1571

Inverse Universe

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



19.9818, 0.3191, 0.2461



31.7709, 0.3205, 0.2297



30.1658, 0.2838, 0.3758



7.1979, 0.3143, 0.3076



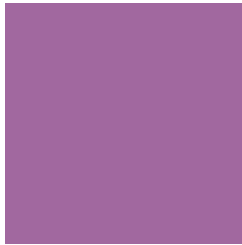
7.9539, 0.3296, 0.1589



0.1684, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 19.9809, 0.3191, 0.2461 looks on a white background.

Color Contrast Check

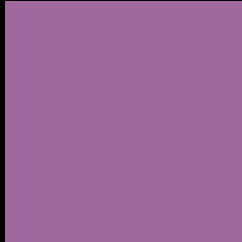
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9809, 0.3191, 0.2461 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 19.9809, 0.3191, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 19.9809, 0.3191, 0.2461.



This preview shows how white text looks on a background with the Yxy color 19.9809, 0.3191, 0.2461.

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

19.9809, 0.3191, 0.2461

Protanopia

20.1874, 0.2497, 0.2423

Deuteranopia

19.9970, 0.2738, 0.2678



Tritanopia

20.0123, 0.3615, 0.3160

Trichromacy



Original Color

19.9809, 0.3191, 0.2461

Protanomaly

19.6778, 0.2713, 0.2416

Deuteranomaly

19.7641, 0.2887, 0.2588

Tritanomaly

19.9276, 0.3463, 0.2890

Monochromacy



Original Color

19.9809, 0.3191, 0.2461

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.5467, 0.3143, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9809, 0.3191, 0.2461 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(161, 104, 159)` looks like.

```
.text, #text, p{  
    color:rgb(161, 104, 159)  
}
```

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(161, 104, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 104, 159) }
```

Border

The CSS property to change the border of an element to Yxy 19.9809, 0.3191, 0.2461 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(161, 104, 159) }
```

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

```
.border{ border-color:rgb(161, 104, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 104, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 104, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 104, 159);  
box-shadow:4px 4px 4px 4px rgb(161, 104,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9809, 0.3191, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 104, 159) }
```

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

```
.background{ background-color: rgb(161,  
104, 159) }
```

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