

Converting Colors

$Y_{xy}(19.4072, 0.3212, 0.2298)$

Have a look what the booklet for
Yxy(19.4072, 0.3212, 0.2298)
contains.

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Color

Yxy(19.4072, 0.3212, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	A860A5
RGB	168, 96, 165
RGB Percent	66%, 38%, 65%
CMY	0.3411, 0.6236, 0.3529
CMYK	0.00, 0.43, 0.02, 0.34
HSL	303°, 29%, 52%
HSV	303°, 43%, 66%
XYZ	27.1262, 19.4072, 37.9192
YIQ	125.3940, 20.7630, 36.7230

Conversions

Conversions Part 2

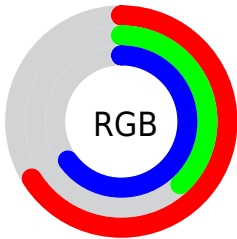
Format	Color
R _Y B	168, 96, 165
Decimal	11034789
CIE Lab	51.16, 39.71, -24.92
CIE LCh	51, 46.882, 327.893
Yxy	19.4072, 0.3212, 0.2298
Android (android.graphics.Color)	4289224869 (0xFFA860A5)
YUV	125.3940, 19.5258, 37.3655
Hunter-Lab	44.0536, 32.8182, -20.1964

Details

The Yxy color **19.4072, 0.3212, 0.2298** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.3985, 0.3045, 0.4535**, and the grayscale version is **20.5759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1944, 0.3202, 0.2490**, and **6.7237, 0.3208, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **16.6378, 0.3233, 0.2094**, and if you desaturate by 10%, it is **22.8337, 0.3191, 0.2522**.

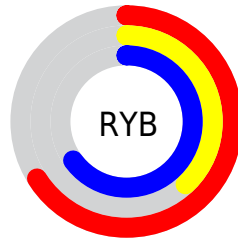
Distribution



Red (66%)

Green (38%)

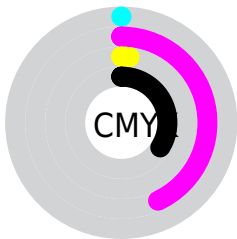
Blue (65%)



Red (66%)

Yellow (38%)

Blue (65%)

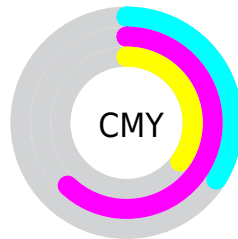


Cyan (0%)

Magenta (43%)

Yellow (2%)

Black (34%)



Cyan (34%)

Magenta (62%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4072, 0.3212, 0.2298 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 19.4072, 0.3212, 0.2298 by changing the saturation by 10% instead.


 19.4072, 0.3212,
0.2298


 19.4072, 0.3212,
0.2298


248.6876, 0.3181,
0.2821


 11.9649, 0.3215,
0.2160


 42.4210, 0.3204,
0.2494

 6.7198, 0.3214,
0.1980


 58.7614, 0.3200,
0.2566

 3.2875, 0.3204,
0.1735


 78.8365, 0.3196,
0.2626

 1.2836, 0.3171,
0.1389

 103.0308, 0.3192,
0.2676

 0.1284, 0.3238,
0.0372

131.7286, 0.3189,
0.2720

 0.0000, 0.0549,
0.0000

165.3144, 0.3186,

 0.0000, 0.0000,

0.2758

0.0000

204.1726, 0.3183,
0.2791

■ 19.4072, 0.3212,
0.2298

■ 19.4072, 0.3212,
0.2298

■ 16.6378, 0.3233,
0.2094

■ 22.8337, 0.3191,
0.2522

■ 14.4807, 0.3254,
0.1918

■ 26.9530, 0.3170,
0.2756

■ 12.8897, 0.3273,
0.1779


■ 31.8014, 0.3150,
0.2993


■ 11.8110, 0.3291,
0.1681


■ 37.4121, 0.3132,
0.3225

■ 11.1804, 0.3306,
0.1624


■ 43.8159, 0.3115,
0.3448

 10.9002, 0.3316,
0.1600

 51.0422, 0.3100,
0.3659

 59.1187, 0.3087,
0.3855

 68.0721, 0.3075,
0.4035

 77.9275, 0.3065,
0.4201

Harmonies

Analogous

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



19.4072, 0.2410, 0.2037



19.4072, 0.3212, 0.2298



19.4072, 0.4108, 0.2756

Triad

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



19.4072, 0.3212, 0.2298



19.4072, 0.4403, 0.4551



19.4072, 0.1743, 0.2915

Complementary

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



19.4072, 0.3212, 0.2298



31.3985, 0.3045, 0.4535

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.



19.4072, 0.2152, 0.3845



19.4072, 0.3212, 0.2298



19.4072, 0.3681, 0.4905

Square

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



19.4072, 0.3212, 0.2298



19.4072, 0.4819, 0.3958



19.4072, 0.2857, 0.4680



19.4072, 0.1663, 0.2292

Rectangle

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



19.4072, 0.3212, 0.2298



19.4072, 0.4577, 0.3133



19.4072, 0.2857, 0.4680



19.4072, 0.1842, 0.3202

Sweetspot

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



19.4081, 0.3212, 0.2298



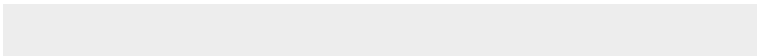
57.3449, 0.3151, 0.2984



13.8107, 0.2367, 0.2002



12.0676, 0.3155, 0.2934



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



19.4081, 0.3212, 0.2298



30.6051, 0.3231, 0.2112



18.2921, 0.3695, 0.2778



7.6611, 0.3144, 0.3077



8.2315, 0.3314, 0.1599



0.2019, 0.3277, 0.1579

Inverse Universe

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



19.4081, 0.3212, 0.2298



30.6051, 0.3231, 0.2112



32.2303, 0.2787, 0.3879



7.6611, 0.3144, 0.3077



8.2315, 0.3314, 0.1599



0.2019, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 19.4072, 0.3212, 0.2298 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 19.4072, 0.3212, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

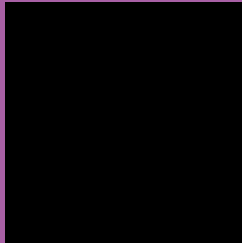
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4072, 0.3212, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 19.4072, 0.3212, 0.2298.



This preview shows how white text looks on a background with the Yxy color 19.4072, 0.3212, 0.2298.

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

19.4072, 0.3212, 0.2298

Protanopia

19.6030, 0.2336, 0.2221

Deuteranopia

19.5169, 0.2629, 0.2571



Tritanopia

19.4346, 0.3785, 0.3164

Trichromacy



Original Color

19.4072, 0.3212, 0.2298

Protanomaly

18.9032, 0.2596, 0.2222

Deuteranomaly

18.9641, 0.2822, 0.2446

Tritanomaly

19.2865, 0.3571, 0.2823

Monochromacy



Original Color

19.4072, 0.3212, 0.2298

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5908, 0.3160, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4072, 0.3212, 0.2298 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(168, 96, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 96, 165)  
}
```

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(168, 96, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 96, 165) }
```

Border

The CSS property to change the border of an element to Yxy 19.4072, 0.3212, 0.2298 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(168, 96, 165) }
```

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

```
.border{ border-color:rgb(168, 96, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 96, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 96, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 96, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 96,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4072, 0.3212, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 96, 165) }
```

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

```
.background{ background-color: rgb(168, 96,  
165) }
```

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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