

Converting Colors

$Y_{xy}(19.0409, 0.2663, 0.1649)$

Have a look what the booklet for
Yxy(19.0409, 0.2663, 0.1649)
contains.

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Color

Yxy(19.0409, 0.2663, 0.1649)

Conversions

Conversions Part 1

Format	Color
Hex	A553D6
RGB	165, 83, 214
RGB Percent	65%, 33%, 84%
CMY	0.3529, 0.6745, 0.1607
CMYK	0.23, 0.61, 0.00, 0.16
HSL	278°, 62%, 58%
HSV	278°, 61%, 84%
XYZ	30.7495, 19.0409, 65.6790
YIQ	122.4520, 6.8210, 58.1250

Conversions

Conversions Part 2

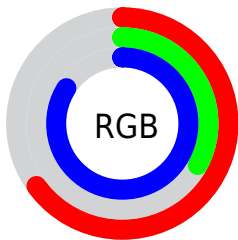
Format	Color
R _Y B	165, 83, 214
Decimal	10834902
CIE Lab	50.74, 55.59, -53.93
CIE LCh	51, 77.451, 315.872
Yxy	19.0409, 0.2663, 0.1649
Android (android.graphics.Color)	4289024982 (0xFFA553D6)
YUV	122.4520, 45.1332, 37.3146
Hunter-Lab	43.6359, 49.4233, -58.6958

Details

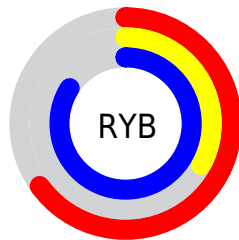
The Yxy color **19.0409, 0.2663, 0.1649** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **53.6280, 0.3331, 0.5086**, and the grayscale version is **19.4657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7993, 0.2905, 0.2064**, and **6.5503, 0.2462, 0.1251** is the 20% darker color. If you saturate the color by 10%, you get **15.4253, 0.2562, 0.1424**, and if you desaturate by 10%, it is **23.7220, 0.2761, 0.1906**.

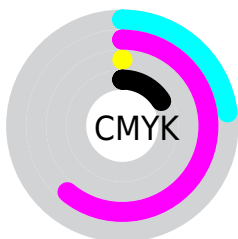
Distribution



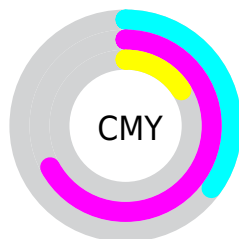
- Red (65%)
- Green (33%)
- Blue (84%)



- Red (65%)
- Yellow (33%)
- Blue (84%)



- Cyan (23%)
- Magenta (61%)
- Yellow (0%)
- Black (16%)





- Cyan (35%)
- Magenta (67%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0409, 0.2663, 0.1649 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 19.0409, 0.2663, 0.1649 by changing the saturation by 10% instead.


 19.0409, 0.2663,
0.1649


 19.0409, 0.2663,
0.1649

246.6745, 0.2950,
0.2448


 11.6998, 0.2576,
0.1466


 41.8032, 0.2779,
0.1929


 6.5396, 0.2456,
0.1244


 57.9932, 0.2820,
0.2038


 3.1759, 0.2286,
0.0975


 77.9017, 0.2852,
0.2131

 1.2242, 0.2034,
0.0657

 101.9130, 0.2879,
0.2212

 0.0814, 0.1688,
0.0087

 130.4115, 0.2901,
0.2282

 0.0000, 0.0907,
0.0000

163.7817, 0.2920,

 0.0000, 0.0000,

0.2344

0.0000

202.4079, 0.2936,
0.2399

■ 19.0409, 0.2663,
0.1649

■ 19.0409, 0.2663,
0.1649

■ 15.4253, 0.2562,
0.1424

■ 23.7220, 0.2761,
0.1906

■ 12.7756, 0.2460,
0.1242

■ 29.5516, 0.2852,
0.2181

■ 10.9764, 0.2363,
0.1111

■ 36.6067, 0.2934,
0.2464

■ 9.9208, 0.2282,
0.1031

■ 44.9569, 0.3006,
0.2742

■ 54.6666, 0.3069,
0.3010

■ 65.7957, 0.3121,
0.3261

■ 78.4006, 0.3165,
0.3493

■ 92.5344, 0.3202,
0.3705

■ 94.3884, 0.3252,
0.3706

Harmonies

Analogous

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



19.0409, 0.1670, 0.1419



19.0409, 0.2663, 0.1649



19.0409, 0.4122, 0.2162

Triad

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



19.0409, 0.2663, 0.1649



19.0409, 0.5239, 0.4554



19.0409, 0.1211, 0.3130

Complementary

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



19.0409, 0.2663, 0.1649



53.6280, 0.3331, 0.5086

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.



19.0409, 0.1899, 0.4953



19.0409, 0.2663, 0.1649



19.0409, 0.4190, 0.5546

Square

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



19.0409, 0.2663, 0.1649



19.0409, 0.5805, 0.3647



19.0409, 0.3002, 0.6016



19.0409, 0.1007, 0.1975

Rectangle

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



19.0409, 0.2663, 0.1649



19.0409, 0.5076, 0.2621



19.0409, 0.3002, 0.6016



19.0409, 0.1380, 0.3700

Sweetspot

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



19.0416, 0.2663, 0.1649



71.0181, 0.3026, 0.2825



23.5293, 0.2106, 0.2054



14.3371, 0.3007, 0.2745



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.



19.0416, 0.2663, 0.1649



21.8187, 0.2536, 0.1374



24.5944, 0.3365, 0.2014



12.3899, 0.3079, 0.3056



6.0571, 0.2295, 0.1038



0.4119, 0.2453, 0.1125

Inverse Universe

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



22.1496, 0.4299, 0.2721



27.3466, 0.4690, 0.2673



50.8240, 0.2968, 0.5056



12.4969, 0.3233, 0.3203



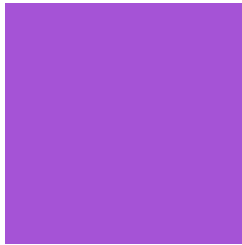
9.0102, 0.5469, 0.2786



0.5592, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 19.0409, 0.2663, 0.1649 looks on a white background.

Color Contrast Check

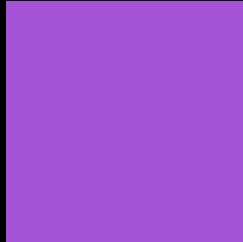
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0409, 0.2663, 0.1649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

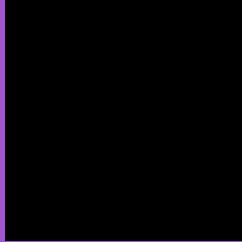
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0409, 0.2663, 0.1649

Background



This preview shows how black text looks on a background with the Yxy color 19.0409, 0.2663, 0.1649.

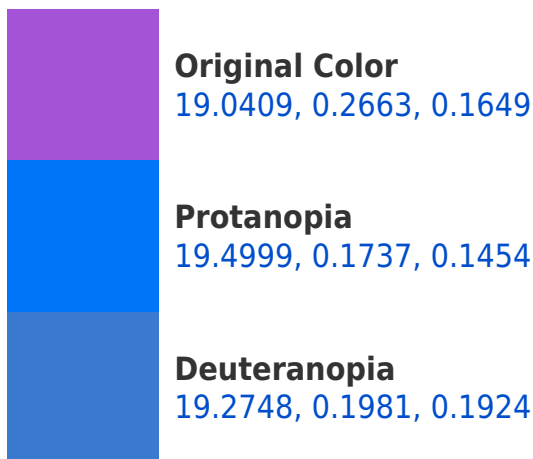


This preview shows how white text looks on a background with the Yxy color 19.0409, 0.2663, 0.1649.

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

18.9678, 0.3555, 0.3139

Trichromacy



Original Color

19.0409, 0.2663, 0.1649



Protanomaly

17.1199, 0.1828, 0.1419



Deuteranomaly

17.8700, 0.2131, 0.1747



Tritanomaly

18.4160, 0.3180, 0.2449

Monochromacy



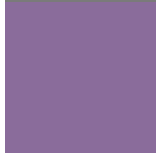
Original Color

19.0409, 0.2663, 0.1649



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4950, 0.2953, 0.2510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0409, 0.2663, 0.1649 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(165, 83, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 83, 214)  
}
```

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(165, 83, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 83, 214) }
```

Border

The CSS property to change the border of an element to Yxy 19.0409, 0.2663, 0.1649 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(165, 83, 214) }
```

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

```
.border{ border-color:rgb(165, 83, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 83, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 83, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 83, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 83,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0409, 0.2663, 0.1649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 83, 214) }
```

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

```
.background{ background-color: rgb(165, 83,  
214) }
```

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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