

Converting Colors

$Y_{xy}(20.3419, 0.2860, 0.1909)$

Have a look what the booklet for
Yxy(20.3419, 0.2860, 0.1909)
contains.

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Color

Yxy(20.3409, 0.2859, 0.1909)

Conversions

Conversions Part 1

Format	Color
Hex	A95DC6
RGB	169, 93, 198
RGB Percent	66%, 36%, 78%
CMY	0.3374, 0.6352, 0.2235
CMYK	0.15, 0.53, 0.00, 0.22
HSL	283°, 48%, 57%
HSV	283°, 53%, 78%
XYZ	30.4634, 20.3409, 55.7483
YIQ	127.6940, 11.5910, 48.7670

Conversions

Conversions Part 2

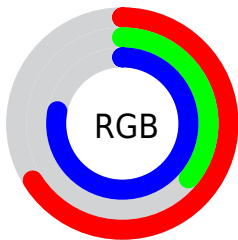
Format	Color
R_{YB}	169, 93, 198
Decimal	11099590
CIE _{Lab}	52.22, 48.12, -42.38
CIE _{LCh}	52, 64.123, 318.632
Yxy	20.3409, 0.2859, 0.1909
Android (android.graphics.Color)	4289289670 (0xFFA95DC6)
YUV	127.6940, 34.6609, 36.2254
Hunter-Lab	45.1009, 41.6413, -41.7166

Details

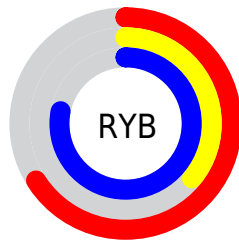
The Yxy color **20.3409, 0.2859, 0.1909** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **45.3232, 0.3246, 0.4871**, and the grayscale version is **21.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9465, 0.2932, 0.2159**, and **7.1769, 0.2714, 0.1526** is the 20% darker color. If you saturate the color by 10%, you get **16.7101, 0.2788, 0.1676**, and if you desaturate by 10%, it is **24.8986, 0.2925, 0.2165**.

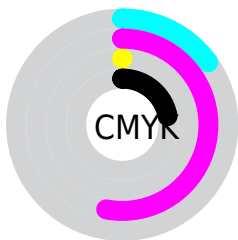
Distribution



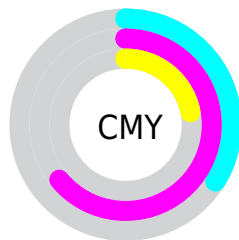
- Red (66%)
- Green (36%)
- Blue (78%)



- Red (66%)
- Yellow (36%)
- Blue (78%)



- Cyan (15%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)




- Cyan (34%)
- Magenta (64%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3409, 0.2859, 0.1909 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 20.3409, 0.2859, 0.1909 by changing the saturation by 10% instead.


 20.3409, 0.2859,
0.1909


 20.3409, 0.2859,
0.1909


253.7547, 0.3033,
0.2601


 12.6431, 0.2802,
0.1742


 43.9880, 0.2932,
0.2158

 7.1832, 0.2722,
0.1533

 60.7061, 0.2956,
0.2252

 3.5770, 0.2602,
0.1269


 81.1997, 0.2976,
0.2332

 1.4399, 0.2411,
0.0933

 105.8532, 0.2992,
0.2401

 0.2458, 0.2128,
0.0339

135.0511, 0.3005,
0.2461

 0.0000, 0.1264,
0.0000

169.1777, 0.3016,

 0.0000, 0.0000,

0.2513

0.0000

208.6174, 0.3025,
0.2559

■ 20.3409, 0.2859,
0.1909

■ 20.3409, 0.2859,
0.1909

■ 16.7101, 0.2788,
0.1676

■ 24.8986, 0.2925,
0.2165

■ 13.9324, 0.2714,
0.1478

■ 30.4443, 0.2984,
0.2433

■ 11.9267, 0.2639,
0.1322

■ 37.0368, 0.3036,
0.2703

■ 10.5945, 0.2565,
0.1214

■ 44.7296, 0.3080,
0.2966

■ 9.9371, 0.2516,
0.1159

■ 53.5725, 0.3117,
0.3217

■ 63.6120, 0.3148,
0.3452

■ 74.8922, 0.3173,
0.3669

■ 87.4549, 0.3193,
0.3867

■ 90.5432, 0.3224,
0.3895

Harmonies

Analogous

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



20.3409, 0.1951, 0.1677



20.3409, 0.2859, 0.1909



20.3409, 0.4068, 0.2393

Triad

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



20.3409, 0.2859, 0.1909



20.3409, 0.4928, 0.4570



20.3409, 0.1466, 0.3089

Complementary

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



20.3409, 0.2859, 0.1909



45.3232, 0.3246, 0.4871

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.



20.3409, 0.2066, 0.4472



20.3409, 0.2859, 0.1909



20.3409, 0.4053, 0.5296

Square

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



20.3409, 0.2859, 0.1909



20.3409, 0.5375, 0.3776



20.3409, 0.3020, 0.5432



20.3409, 0.1284, 0.2154

Rectangle

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



20.3409, 0.2859, 0.1909



20.3409, 0.4809, 0.2817



20.3409, 0.3020, 0.5432



20.3409, 0.1617, 0.3525

Sweetspot

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



20.3417, 0.2859, 0.1909



74.5962, 0.3067, 0.2883



20.5151, 0.2209, 0.2082



15.3510, 0.3057, 0.2828



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.



20.3417, 0.2859, 0.1909



28.5194, 0.2774, 0.1635



22.9451, 0.3456, 0.2268



10.6634, 0.3094, 0.3059



6.5066, 0.2525, 0.1165



0.3428, 0.2673, 0.1246

Inverse Universe

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



21.2467, 0.4215, 0.2915



30.6844, 0.4623, 0.2862



43.9740, 0.2923, 0.4614



10.6844, 0.3247, 0.3226



7.9983, 0.5821, 0.2980



0.3913, 0.5207, 0.2642

Previews

White Background



This preview shows how the Yxy color 20.3409, 0.2859, 0.1909 looks on a white background.

Color Contrast Check

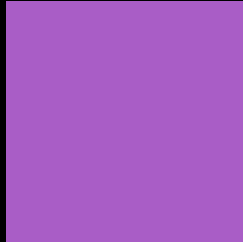
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3409, 0.2859, 0.1909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

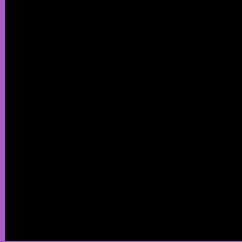
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3409, 0.2859, 0.1909

Background



This preview shows how black text looks on a background with the Yxy color 20.3409, 0.2859, 0.1909.



This preview shows how white text looks on a background with the Yxy color 20.3409, 0.2859, 0.1909.

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

20.3409, 0.2859, 0.1909

Protanopia

20.8512, 0.1982, 0.1762

Deuteranopia

20.6971, 0.2237, 0.2188



Tritanopia

20.2379, 0.3628, 0.3145

Trichromacy



Original Color

20.3409, 0.2859, 0.1909

Protanomaly

19.5264, 0.2194, 0.1766

Deuteranomaly

19.6272, 0.2410, 0.2034

Tritanomaly

19.9545, 0.3327, 0.2616

Monochromacy



Original Color

20.3409, 0.2859, 0.1909

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.4010, 0.3035, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3409, 0.2859, 0.1909 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(169, 93, 198)` looks like.

```
.text, #text, p{  
    color:rgb(169, 93, 198)  
}
```

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(169, 93, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 93, 198) }
```

Border

The CSS property to change the border of an element to Yxy 20.3409, 0.2859, 0.1909 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(169, 93, 198) }
```

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

```
.border{ border-color:rgb(169, 93, 198) }
```

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

Here you see how a box with a 4 pixel rgb(169, 93, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 93, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 93, 198);  
box-shadow:4px 4px 4px 4px rgb(169, 93,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3409, 0.2859, 0.1909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 93, 198) }
```

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

```
.background{ background-color: rgb(169, 93,  
198) }
```

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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