

Converting Colors

$Y_{xy}(19.8609, 0.3064, 0.2552)$

Have a look what the booklet for
Yxy(19.8609, 0.3064, 0.2552)
contains.

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Color

Yxy(19.8481, 0.3063, 0.2556)

Conversions

Conversions Part 1

Format	Color
Hex	946E9C
RGB	148, 110, 156
RGB Percent	58%, 43%, 61%
CMY	0.4197, 0.5686, 0.3883
CMYK	0.05, 0.29, 0.00, 0.39
HSL	290°, 19%, 52%
HSV	290°, 29%, 61%
XYZ	23.7851, 19.8481, 34.0198
YIQ	126.6060, 7.8820, 22.3620

Conversions

Conversions Part 2

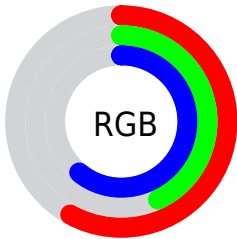
Format	Color
R _Y B	148, 110, 156
Decimal	9727644
CIE Lab	51.67, 23.42, -19.05
CIE LCh	52, 30.192, 320.881
Yxy	19.8481, 0.3063, 0.2556
Android (android.graphics.Color)	4287917724 (0xFF946E9C)
YUV	126.6060, 14.4912, 18.7625
Hunter-Lab	44.5512, 17.3334, -14.0886

Details

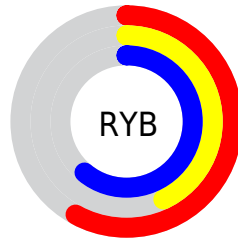
The Yxy color $19.8481, 0.3063, 0.2556$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.7481, 0.3165, 0.4103$, and the grayscale version is $21.0290, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.2403, 0.3083, 0.2704$, and $7.0066, 0.3023, 0.2302$ is the 20% darker color. If you saturate the color by 10%, you get $16.5235, 0.3032, 0.2302$, and if you desaturate by 10%, it is $23.7728, 0.3089, 0.2812$.

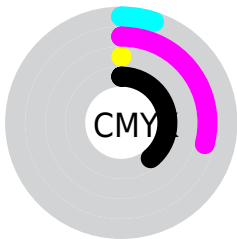
Distribution



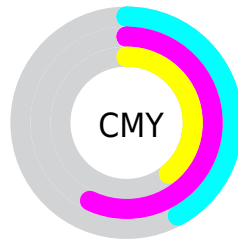
- Red (58%)
- Green (43%)
- Blue (61%)



- Red (58%)
- Yellow (43%)
- Blue (61%)



- Cyan (5%)
- Magenta (29%)
- Yellow (0%)
- Black (39%)




- Cyan (42%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8481, 0.3063, 0.2556 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 19.8481, 0.3063, 0.2556 by changing the saturation by 10% instead.


 19.8481, 0.3063,
0.2556


 19.8481, 0.3063,
0.2556


251.0916, 0.3107,
0.2953


 12.2847, 0.3047,
0.2446


 43.1624, 0.3083,
0.2708


 6.9379, 0.3021,
0.2299


 59.6820, 0.3089,
0.2763

 3.4233, 0.2979,
0.2092

 79.9558, 0.3094,
0.2808

 1.3565, 0.2901,
0.1782

 104.3682, 0.3098,
0.2846

 0.1843, 0.2892,
0.0714

133.3036, 0.3101,
0.2879

 0.0000, 0.0000,
0.0000

167.1464, 0.3103,

0.2907

206.2809, 0.3105,
0.2931

■ 19.8481, 0.3063,
0.2556

■ 19.8481, 0.3063,
0.2556

■ 16.5235, 0.3032,
0.2302

■ 23.7728, 0.3089,
0.2812

■ 13.7654, 0.2997,
0.2059

■ 28.3239, 0.3111,
0.3062

■ 11.5407, 0.2958,
0.1837

■ 33.5292, 0.3128,
0.3302

■ 9.8118, 0.2915,
0.1646

■ 39.4140, 0.3142,
0.3528

■ 8.5362, 0.2871,
0.1493

■ 46.0025, 0.3152,
0.3738

■ 7.6641, 0.2826,
0.1383

■ 53.3173, 0.3160,
0.3930

■ 7.0834, 0.2780,
0.1308

■ 61.3804, 0.3165,
0.4106

■ 7.0540, 0.2778,
0.1304

■ 70.2126, 0.3169,
0.4265

■ 79.8339, 0.3171,
0.4409

Harmonies

Analogous

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



19.8481, 0.2557, 0.2413



19.8481, 0.3063, 0.2556



19.8481, 0.3635, 0.2856

Triad

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



19.8481, 0.3063, 0.2556



19.8481, 0.4078, 0.4086



19.8481, 0.2246, 0.3206

Complementary

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



19.8481, 0.3063, 0.2556



28.7481, 0.3165, 0.4103

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.



19.8481, 0.2597, 0.3776



19.8481, 0.3063, 0.2556



19.8481, 0.3654, 0.4304

Square

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



19.8481, 0.3063, 0.2556



19.8481, 0.4248, 0.3697



19.8481, 0.3110, 0.4207



19.8481, 0.2120, 0.2731

Rectangle

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



19.8481, 0.3063, 0.2556



19.8481, 0.3962, 0.3117



19.8481, 0.3110, 0.4207



19.8481, 0.2339, 0.3395

Sweetspot

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



19.8490, 0.3063, 0.2556



51.7165, 0.3111, 0.3070



18.7769, 0.2641, 0.2615



11.1160, 0.3109, 0.3036



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.8490, 0.3063, 0.2556



32.1766, 0.3044, 0.2397



20.1567, 0.3338, 0.2789



6.6962, 0.3111, 0.3068



5.8254, 0.2781, 0.1306



0.1182, 0.2964, 0.1407

Inverse Universe

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



19.5294, 0.3649, 0.3160



31.5482, 0.3806, 0.3131



28.5552, 0.2965, 0.3851



6.6641, 0.3258, 0.3251



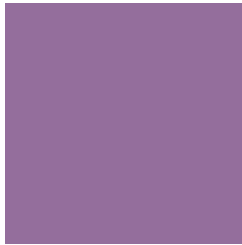
5.8913, 0.6099, 0.3133



0.1099, 0.5246, 0.2664

Previews

White Background



This preview shows how the Yxy color 19.8481, 0.3063, 0.2556 looks on a white background.

Color Contrast Check

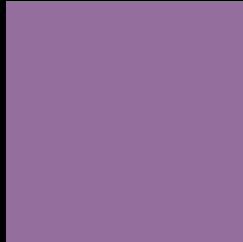
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8481, 0.3063, 0.2556 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 19.8481, 0.3063, 0.2556

Background



This preview shows how black text looks on a background with the Yxy color 19.8481, 0.3063, 0.2556.



This preview shows how white text looks on a background with the Yxy color 19.8481, 0.3063, 0.2556.

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

19.8481, 0.3063, 0.2556

Protanopia

20.0152, 0.2580, 0.2543

Deuteranopia

20.0009, 0.2767, 0.2711



Tritanopia

19.9007, 0.3380, 0.3136

Trichromacy



Original Color

19.8481, 0.3063, 0.2556

Protanomaly

19.8506, 0.2730, 0.2543

Deuteranomaly

19.8350, 0.2864, 0.2644

Tritanomaly

19.8319, 0.3259, 0.2920

Monochromacy



Original Color

19.8481, 0.3063, 0.2556

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6606, 0.3105, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8481, 0.3063, 0.2556 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(148, 110, 156)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 156)  
}
```

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(148, 110, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 156) }
```

Border

The CSS property to change the border of an element to Yxy 19.8481, 0.3063, 0.2556 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(148, 110, 156) }
```

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

```
.border{ border-color:rgb(148, 110, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 156);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8481, 0.3063, 0.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 156) }
```

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

```
.background{ background-color: rgb(148,  
110, 156) }
```

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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