

Converting Colors

$Y_{xy}(22.8016, 0.3003, 0.2508)$

Have a look what the booklet for
Yxy(22.8016, 0.3003, 0.2508)
contains.

Yxy(22.9271, 0.3003, 0.2509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.9271, 0.3003, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	9C76AA
RGB	156, 118, 170
RGB Percent	61%, 46%, 67%
CMY	0.3883, 0.5372, 0.3333
CMYK	0.08, 0.31, 0.00, 0.33
HSL	284°, 23%, 56%
HSV	284°, 31%, 67%
XYZ	27.4412, 22.9271, 41.0111
YIQ	135.2900, 5.9560, 24.2280

Conversions

Conversions Part 2

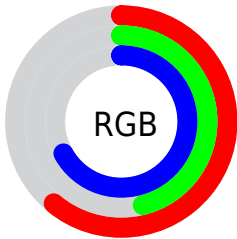
Format	Color
R _Y B	156, 118, 170
Decimal	10253994
CIE Lab	55.00, 24.44, -22.03
CIE LCh	55, 32.904, 317.975
Yxy	22.9271, 0.3003, 0.2509
Android (android.graphics.Color)	4288444074 (0xFF9C76AA)
YUV	135.2900, 17.1120, 18.1627
Hunter-Lab	47.8823, 18.5041, -17.2642

Details

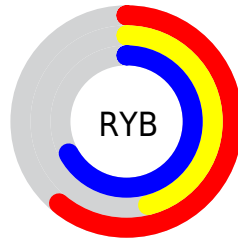
The Yxy color $22.9271, 0.3003, 0.2509$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.9682, 0.3211, 0.4133$, and the grayscale version is $24.2755, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.4109, 0.3038, 0.2673$, and $8.5073, 0.2938, 0.2250$ is the 20% darker color. If you saturate the color by 10%, you get $18.8290, 0.2948, 0.2243$, and if you desaturate by 10%, it is $27.7660, 0.3051, 0.2774$.

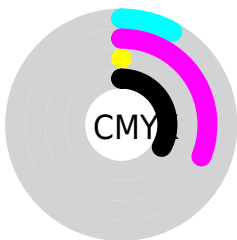
Distribution



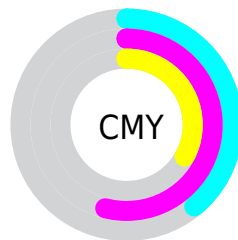
- Red (61%)
- Green (46%)
- Blue (67%)



- Red (61%)
- Yellow (46%)
- Blue (67%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)
- Black (33%)



- Cyan (39%)
- Magenta (54%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9271, 0.3003, 0.2509 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 22.9271, 0.3003, 0.2509 by changing the saturation by 10% instead.

■ 22.9271, 0.3003,
0.2509

■ 22.9271, 0.3003,
0.2509

■ 267.3503, 0.3080,
0.2921

■ 14.5397, 0.2978,
0.2400

■ 48.2736, 0.3035,
0.2664

■ 8.4970, 0.2942,
0.2256

■ 66.0015, 0.3046,
0.2720

■ 4.4146, 0.2885,
0.2058

■ 87.6116, 0.3054,
0.2767

■ 1.9081, 0.2790,
0.1773

■ 113.4884, 0.3061,
0.2807

■ 0.5532, 0.2627,
0.1259

■ 144.0163, 0.3067,
0.2842

■ 0.0000, 0.0698,
0.0000

■ 179.5797, 0.3072,

■ 0.0000, 0.0000,

0.2872

0.0000

220.5629, 0.3076,
0.2898

■ 22.9271, 0.3003,
0.2509

■ 22.9271, 0.3003,
0.2509

■ 18.8290, 0.2948,
0.2243

■ 27.7660, 0.3051,
0.2774

■ 15.4299, 0.2887,
0.1986

■ 33.3790, 0.3091,
0.3032

■ 12.6882, 0.2820,
0.1749

■ 39.8006, 0.3125,
0.3276

■ 10.5564, 0.2749,
0.1542

■ 47.0625, 0.3153,
0.3504

■ 8.9809, 0.2677,
0.1375

■ 55.1947, 0.3176,
0.3715

■ 7.8980, 0.2605,
0.1254

■ 64.2256, 0.3194,
0.3907

■ 7.1978, 0.2539,
0.1173

■ 74.1823, 0.3208,
0.4081

■ 85.0910, 0.3218,
0.4239

■ 86.3276, 0.3246,
0.4239

Harmonies

Analogous

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



22.9271, 0.2493, 0.2379



22.9271, 0.3003, 0.2509



22.9271, 0.3599, 0.2805

Triad

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



22.9271, 0.3003, 0.2509



22.9271, 0.4143, 0.4079



22.9271, 0.2240, 0.3257

Complementary

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



22.9271, 0.3003, 0.2509



34.9682, 0.3211, 0.4133

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.



22.9271, 0.2622, 0.3851



22.9271, 0.3003, 0.2509



22.9271, 0.3722, 0.4333

Square

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



22.9271, 0.3003, 0.2509



22.9271, 0.4290, 0.3664



22.9271, 0.3163, 0.4272



22.9271, 0.2087, 0.2748

Rectangle

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



22.9271, 0.3003, 0.2509



22.9271, 0.3951, 0.3068



22.9271, 0.3163, 0.4272



22.9271, 0.2343, 0.3456

Sweetspot

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



22.9281, 0.3003, 0.2509



62.1219, 0.3097, 0.3067



23.4600, 0.2626, 0.2669



13.5044, 0.3091, 0.3032



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.9281, 0.3003, 0.2509



36.1922, 0.2965, 0.2320



24.0007, 0.3289, 0.2695



7.5633, 0.3096, 0.3065



5.3229, 0.2547, 0.1177



0.1526, 0.2777, 0.1304

Inverse Universe

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



23.1736, 0.3617, 0.3078



36.7991, 0.3779, 0.3027



34.1960, 0.2999, 0.3970



7.5743, 0.3245, 0.3229



6.4391, 0.5824, 0.2982



0.1650, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 22.9271, 0.3003, 0.2509 looks on a white background.

Color Contrast Check

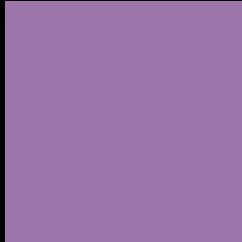
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9271, 0.3003, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

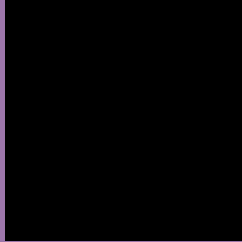
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9271, 0.3003, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 22.9271, 0.3003, 0.2509.



This preview shows how white text looks on a background with the Yxy color 22.9271, 0.3003, 0.2509.

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

22.9271, 0.3003, 0.2509

Protanopia

23.0715, 0.2550, 0.2494

Deuteranopia

22.9633, 0.2712, 0.2648



Tritanopia

22.9958, 0.3328, 0.3127

Trichromacy



Original Color

22.9271, 0.3003, 0.2509

Protanomaly

22.9618, 0.2698, 0.2497

Deuteranomaly

22.8502, 0.2810, 0.2588

Tritanomaly

22.8295, 0.3206, 0.2877

Monochromacy



Original Color

22.9271, 0.3003, 0.2509

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.6783, 0.3085, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9271, 0.3003, 0.2509 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(156, 118, 170)` looks like.

```
.text, #text, p{  
    color:rgb(156, 118, 170)  
}
```

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(156, 118, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 118, 170) }
```

Border

The CSS property to change the border of an element to Yxy 22.9271, 0.3003, 0.2509 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(156, 118, 170) }
```

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

```
.border{ border-color:rgb(156, 118, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 118, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 118, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 118, 170);  
box-shadow:4px 4px 4px 4px rgb(156, 118,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9271, 0.3003, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 118, 170) }
```

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

```
.background{ background-color: rgb(156,  
118, 170) }
```

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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