

Converting Colors

$Y_{xy}(22.8120, 0.3058, 0.2615)$

Have a look what the booklet for
Yxy(22.8120, 0.3058, 0.2615)
contains.

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Color

Yxy(22.8066, 0.3066, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	9B77A3
RGB	155, 119, 163
RGB Percent	61%, 47%, 64%
CMY	0.3920, 0.5334, 0.3608
CMYK	0.05, 0.27, 0.00, 0.36
HSL	289°, 19%, 55%
HSV	289°, 27%, 64%
XYZ	26.7298, 22.8066, 37.6448
YIQ	134.7800, 7.3320, 21.3160

Conversions

Conversions Part 2

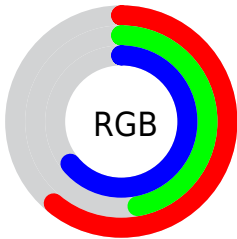
Format	Color
RYB	155, 119, 163
Decimal	10188707
CIELab	54.87, 22.10, -18.18
CIELCh	55, 28.614, 320.561
Yxy	22.8066, 0.3066, 0.2616
Android (android.graphics.Color)	4288378787 (0xFF9B77A3)
YUV	134.7800, 13.9125, 17.7329
Hunter-Lab	47.7563, 16.3352, -13.3072

Details

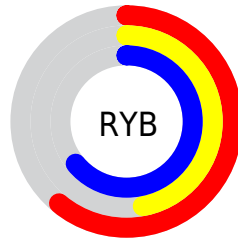
The Yxy color $22.8066, 0.3066, 0.2616$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.0364, 0.3166, 0.4029$, and the grayscale version is $24.0896, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.2686, 0.3084, 0.2757$, and $8.4116, 0.3029, 0.2392$ is the 20% darker color. If you saturate the color by 10%, you get $18.9665, 0.3035, 0.2359$, and if you desaturate by 10%, it is $27.3212, 0.3093, 0.2873$.

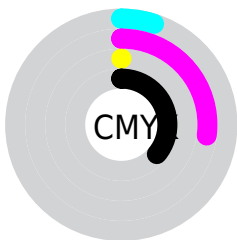
Distribution



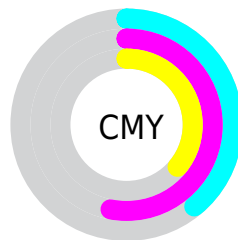
- Red (61%)
- Green (47%)
- Blue (64%)



- Red (61%)
- Yellow (47%)
- Blue (64%)



- Cyan (5%)
- Magenta (27%)
- Yellow (0%)
- Black (36%)





- Cyan (39%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8066, 0.3066, 0.2616 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 22.8066, 0.3066, 0.2616 by changing the saturation by 10% instead.


 22.8066, 0.3066,
0.2616


 22.8066, 0.3066,
0.2616


266.7301, 0.3107,
0.2975


 14.4508, 0.3052,
0.2519


 48.0756, 0.3084,
0.2752

 8.4348, 0.3030,
0.2390


 65.7575, 0.3089,
0.2801

 4.3744, 0.2996,
0.2211

 87.3169, 0.3094,
0.2842

 1.8851, 0.2934,
0.1947

113.1382, 0.3097,
0.2877

 0.5394, 0.2837,
0.1430

143.6058, 0.3100,
0.2907

 0.0000, 0.0000,
0.0000

179.1040, 0.3103,

0.2932

220.0173, 0.3105,
0.2955

■ 22.8066, 0.3066,
0.2616

■ 22.8066, 0.3066,
0.2616

■ 18.9665, 0.3035,
0.2359

■ 27.3212, 0.3093,
0.2873

■ 15.7640, 0.2998,
0.2111

■ 32.5390, 0.3114,
0.3122

■ 13.1630, 0.2958,
0.1882

■ 38.4904, 0.3132,
0.3360

■ 11.1227, 0.2914,
0.1680

■ 45.2035, 0.3146,
0.3582

■ 9.5971, 0.2867,
0.1516

■ 52.7045, 0.3156,
0.3788

■ 8.5329, 0.2820,
0.1395

■ 61.0187, 0.3164,
0.3977

■ 7.8489, 0.2773,
0.1315

■ 70.1700, 0.3169,
0.4148

■ 7.6701, 0.2759,
0.1293

■ 80.1814, 0.3173,
0.4304

■ 84.0613, 0.3186,
0.4350

Harmonies

Analogous

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



22.8066, 0.2605, 0.2487



22.8066, 0.3066, 0.2616



22.8066, 0.3583, 0.2892

Triad

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



22.8066, 0.3066, 0.2616



22.8066, 0.3996, 0.4016



22.8066, 0.2327, 0.3224

Complementary

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



22.8066, 0.3066, 0.2616



32.0364, 0.3166, 0.4029

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.



22.8066, 0.2653, 0.3733



22.8066, 0.3066, 0.2616



22.8066, 0.3615, 0.4205

Square

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



22.8066, 0.3066, 0.2616



22.8066, 0.4142, 0.3664



22.8066, 0.3122, 0.4115



22.8066, 0.2206, 0.2791

Rectangle

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



22.8066, 0.3066, 0.2616



22.8066, 0.3878, 0.3132



22.8066, 0.3122, 0.4115



22.8066, 0.2414, 0.3394

Sweetspot

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



22.8076, 0.3066, 0.2616



57.1344, 0.3112, 0.3094



21.7599, 0.2684, 0.2677



12.5137, 0.3109, 0.3058



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.8076, 0.3066, 0.2616



36.8532, 0.3049, 0.2472



23.1504, 0.3317, 0.2831



7.1370, 0.3110, 0.3067



5.9787, 0.2763, 0.1296



0.1416, 0.2936, 0.1391

Inverse Universe

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



22.5097, 0.3590, 0.3166



36.2747, 0.3723, 0.3139



31.8083, 0.2978, 0.3799



7.1059, 0.3258, 0.3250



6.1276, 0.6084, 0.3125



0.1342, 0.5251, 0.2667

Previews

White Background



This preview shows how the Yxy color 22.8066, 0.3066, 0.2616 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 22.8066, 0.3066, 0.2616 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 22.8066, 0.3066, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 22.8066, 0.3066, 0.2616.



This preview shows how white text looks on a background with the Yxy color 22.8066, 0.3066, 0.2616.

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

22.8066, 0.3066, 0.2616

Protanopia

22.9705, 0.2641, 0.2612

Deuteranopia

22.9408, 0.2805, 0.2758



Tritanopia

22.7158, 0.3341, 0.3127

Trichromacy



Original Color

22.8066, 0.3066, 0.2616

Protanomaly

22.7354, 0.2779, 0.2610

Deuteranomaly

22.6791, 0.2887, 0.2691

Tritanomaly

22.6388, 0.3228, 0.2921

Monochromacy



Original Color

22.8066, 0.3066, 0.2616

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.4956, 0.3105, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8066, 0.3066, 0.2616 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(155, 119, 163)` looks like.

```
.text, #text, p{  
    color:rgb(155, 119, 163)  
}
```

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(155, 119, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 119, 163) }
```

Border

The CSS property to change the border of an element to Yxy 22.8066, 0.3066, 0.2616 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(155, 119, 163) }
```

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

```
.border{ border-color:rgb(155, 119, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 119, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 119, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 119, 163);  
box-shadow:4px 4px 4px 4px rgb(155, 119,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8066, 0.3066, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 119, 163) }
```

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

```
.background{ background-color: rgb(155,  
119, 163) }
```

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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