

Converting Colors

$Y_{xy}(23.9846, 0.2925, 0.2193)$

Have a look what the booklet for
Yxy(23.9846, 0.2925, 0.2193)
contains.

Yxy(23.9846, 0.2925, 0.2193)	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(23.9846, 0.2925, 0.2193)

Conversions

Conversions Part 1

Format	Color
Hex	AA70C1
RGB	170, 112, 193
RGB Percent	67%, 44%, 76%
CMY	0.3335, 0.5607, 0.2431
CMYK	0.12, 0.42, 0.00, 0.24
HSL	283°, 40%, 60%
HSV	283°, 42%, 76%
XYZ	31.9904, 23.9846, 53.3939
YIQ	138.5760, 8.5670, 37.4870

Conversions

Conversions Part 2

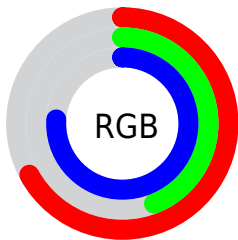
Format	Color
RYB	170, 112, 193
Decimal	11169985
CIELab	56.07, 37.14, -33.45
CIELCh	56, 49.987, 317.993
Yxy	23.9846, 0.2925, 0.2193
Android (android.graphics.Color)	4289360065 (0xFFAA70C1)
YUV	138.5760, 26.8310, 27.5588
Hunter-Lab	48.9741, 30.8935, -30.3590

Details

The Yxy color **23.9846, 0.2925, 0.2193** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.4655, 0.3242, 0.4505**, and the grayscale version is **25.5408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9811, 0.2972, 0.2393**, and **9.0223, 0.2827, 0.1877** is the 20% darker color. If you saturate the color by 10%, you get **19.5732, 0.2858, 0.1934**, and if you desaturate by 10%, it is **29.3364, 0.2985, 0.2462**.

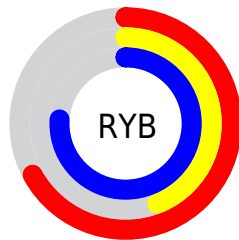
Distribution



Red (67%)

Green (44%)

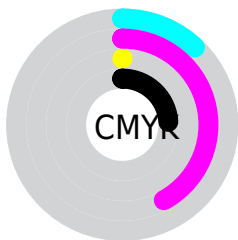
Blue (76%)



Red (67%)

Yellow (44%)

Blue (76%)

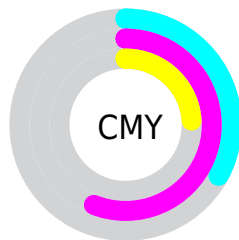


Cyan (12%)

Magenta (42%)

Yellow (0%)

Black (24%)



Cyan (33%)

Magenta (56%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9846, 0.2925, 0.2193 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 23.9846, 0.2925, 0.2193 by changing the saturation by 10% instead.


 23.9846, 0.2925,
0.2193


 23.9846, 0.2925,
0.2193


272.7426, 0.3051,
0.2748


 15.3222, 0.2885,
0.2055


 50.0051, 0.2977,
0.2395


 9.0458, 0.2828,
0.1880


 68.1319, 0.2995,
0.2471

 4.7711, 0.2743,
0.1650


 90.1824, 0.3009,
0.2535

 2.1136, 0.2608,
0.1344

 116.5409, 0.3021,
0.2590

 0.6722, 0.2376,
0.0907

147.5917, 0.3030,
0.2637

 0.0000, 0.1849,
0.0000

183.7194, 0.3038,

 0.0000, 0.0000,

0.2679

0.0000

225.3082, 0.3045,
0.2716

■ 23.9846, 0.2925,
0.2193

■ 23.9846, 0.2925,
0.2193

■ 19.5732, 0.2858,
0.1934

■ 29.3364, 0.2985,
0.2462

■ 16.0400, 0.2785,
0.1697

■ 35.6795, 0.3038,
0.2732

■ 13.3200, 0.2709,
0.1492


■ 43.0647, 0.3083,
0.2994


■ 11.3375, 0.2632,
0.1330


■ 51.5385, 0.3121,
0.3243


■ 10.0024, 0.2557,
0.1215


■ 61.1443, 0.3152,
0.3476

 9.2609, 0.2498,
0.1150

 71.9234, 0.3177,
0.3690

 83.9149, 0.3197,
0.3885

 89.6495, 0.3225,
0.3956

 90.4892, 0.3260,
0.3948

Harmonies

Analogous

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



23.9846, 0.2209, 0.2009



23.9846, 0.2925, 0.2193



23.9846, 0.3818, 0.2591

Triad

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



23.9846, 0.2925, 0.2193



23.9846, 0.4577, 0.4363



23.9846, 0.1848, 0.3200

Complementary

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



23.9846, 0.2925, 0.2193



44.4655, 0.3242, 0.4505

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.



23.9846, 0.2363, 0.4156



23.9846, 0.2925, 0.2193



23.9846, 0.3937, 0.4826

Square

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



23.9846, 0.2925, 0.2193



23.9846, 0.4844, 0.3750



23.9846, 0.3128, 0.4822



23.9846, 0.1663, 0.2462

Rectangle

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



23.9846, 0.2925, 0.2193



23.9846, 0.4360, 0.2944



23.9846, 0.3128, 0.4822



23.9846, 0.1984, 0.3513

Sweetspot

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



23.9856, 0.2925, 0.2193



75.3752, 0.3078, 0.2962



24.9943, 0.2417, 0.2401



15.5145, 0.3068, 0.2904



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



23.9856, 0.2925, 0.2193



35.8993, 0.2866, 0.1964



26.0975, 0.3354, 0.2452



10.0989, 0.3093, 0.3060



6.2018, 0.2507, 0.1155



0.3014, 0.2670, 0.1244

Inverse Universe

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



24.6821, 0.3882, 0.2979



37.5157, 0.4131, 0.2918



43.1497, 0.2964, 0.4312



10.1240, 0.3245, 0.3225



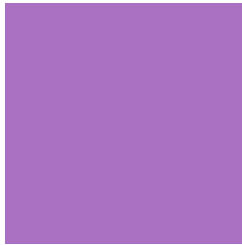
7.7357, 0.5791, 0.2964



0.3465, 0.5133, 0.2602

Previews

White Background



This preview shows how the Yxy color 23.9846, 0.2925, 0.2193 looks on a white background.

Color Contrast Check

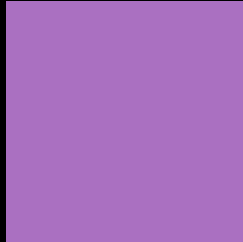
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9846, 0.2925, 0.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

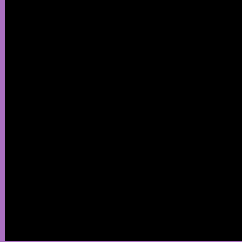
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9846, 0.2925, 0.2193

Background



This preview shows how black text looks on a background with the Yxy color 23.9846, 0.2925, 0.2193.



This preview shows how white text looks on a background with the Yxy color 23.9846, 0.2925, 0.2193.

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

23.9846, 0.2925, 0.2193

Protanopia

24.2198, 0.2259, 0.2118

Deuteranopia

24.1622, 0.2467, 0.2406



Tritanopia

23.9655, 0.3461, 0.3150

Trichromacy



Original Color

23.9846, 0.2925, 0.2193

Protanomaly

23.6940, 0.2453, 0.2130

Deuteranomaly

23.6192, 0.2619, 0.2310

Tritanomaly

23.6920, 0.3259, 0.2763

Monochromacy



Original Color

23.9846, 0.2925, 0.2193

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.6877, 0.3049, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9846, 0.2925, 0.2193 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(170, 112, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 112, 193)  
}
```

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(170, 112, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 112, 193) }
```

Border

The CSS property to change the border of an element to Yxy 23.9846, 0.2925, 0.2193 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(170, 112, 193) }
```

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

```
.border{ border-color:rgb(170, 112, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 112, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 112, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 112, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 112,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9846, 0.2925, 0.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 112, 193) }
```

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

```
.background{ background-color: rgb(170,  
112, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor