

Converting Colors

$Y_{xy}(24.0327, 0.3090, 0.2539)$

Have a look what the booklet for
Yxy(24.0327, 0.3090, 0.2539)
contains.

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Color

Yxy(23.9884, 0.3093, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	A477AA
RGB	164, 119, 170
RGB Percent	64%, 47%, 67%
CMY	0.3570, 0.5332, 0.3334
CMYK	0.04, 0.30, 0.00, 0.33
HSL	293°, 23%, 57%
HSV	293°, 30%, 67%
XYZ	29.1537, 23.9884, 41.1149
YIQ	138.2690, 10.4490, 25.4010

Conversions

Conversions Part 2

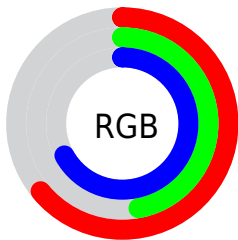
Format	Color
RYB	164, 119, 170
Decimal	10778538
CIELab	56.08, 26.53, -20.29
CIELCh	56, 33.397, 322.590
Yxy	23.9884, 0.3093, 0.2545
Android (android.graphics.Color)	4288968618 (0xFFA477AA)
YUV	138.2690, 15.6434, 22.5661
Hunter-Lab	48.9780, 20.5391, -15.4868

Details

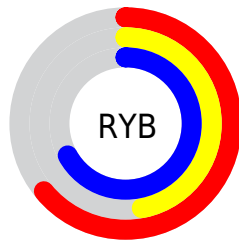
The Yxy color **23.9884, 0.3093, 0.2545** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.4397, 0.3140, 0.4133**, and the grayscale version is **25.4596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1569, 0.3113, 0.2698**, and **9.0678, 0.3054, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **20.0855, 0.3075, 0.2296**, and if you desaturate by 10%, it is **28.6204, 0.3107, 0.2798**.

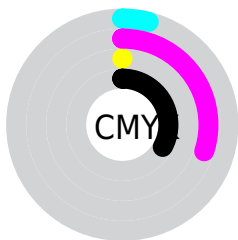
Distribution



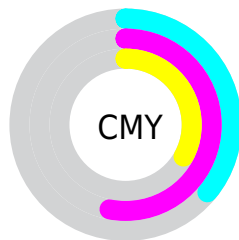
- Red (64%)
- Green (47%)
- Blue (67%)



- Red (64%)
- Yellow (47%)
- Blue (67%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)





- Cyan (36%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9884, 0.3093, 0.2545 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 23.9884, 0.3093, 0.2545 by changing the saturation by 10% instead.


 23.9884, 0.3093,
0.2545


 23.9884, 0.3093,
0.2545


272.7618, 0.3120,
0.2936


 15.3250, 0.3082,
0.2442


 50.0113, 0.3106,
0.2691

 9.0478, 0.3065,
0.2307


 68.1395, 0.3110,
0.2745

 4.7724, 0.3037,
0.2122


 90.1916, 0.3113,
0.2789

 2.1143, 0.2986,
0.1855

116.5518, 0.3115,
0.2828

 0.6727, 0.2886,
0.1417

147.6045, 0.3117,
0.2860

 0.0000, 0.1989,
0.0000

183.7341, 0.3118,

 0.0000, 0.0000,

0.2889

0.0000

225.3251, 0.3119,
0.2914

■ 23.9884, 0.3093,
0.2545

■ 23.9884, 0.3093,
0.2545

■ 20.0855, 0.3075,
0.2296

■ 28.6204, 0.3107,
0.2798

■ 16.8700, 0.3054,
0.2062

■ 34.0142, 0.3119,
0.3049

■ 14.3008, 0.3030,
0.1851

■ 40.2041, 0.3127,
0.3291

■ 12.3311, 0.3003,
0.1673

■ 47.2215, 0.3133,
0.3519

■ 10.9077, 0.2974,
0.1535

■ 55.0962, 0.3137,
0.3732

■ 9.9681, 0.2945,
0.1440

■ 63.8562, 0.3139,
0.3929

■ 9.3747, 0.2914,
0.1379

■ 73.5285, 0.3140,
0.4108

■ 9.3734, 0.2914,
0.1379

■ 84.1301, 0.3140,
0.4271

■ 84.3734, 0.3152,
0.4267

Harmonies

Analogous

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



23.9884, 0.2561, 0.2387



23.9884, 0.3093, 0.2545



23.9884, 0.3686, 0.2862

Triad

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



23.9884, 0.3093, 0.2545



23.9884, 0.4093, 0.4132



23.9884, 0.2200, 0.3168

Complementary

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



23.9884, 0.3093, 0.2545



34.4397, 0.3140, 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.



23.9884, 0.2551, 0.3763



23.9884, 0.3093, 0.2545



23.9884, 0.3641, 0.4347

Square

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



23.9884, 0.3093, 0.2545



23.9884, 0.4289, 0.3733



23.9884, 0.3075, 0.4228



23.9884, 0.2085, 0.2687

Rectangle

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



23.9884, 0.3093, 0.2545



23.9884, 0.4018, 0.3134



23.9884, 0.3075, 0.4228



23.9884, 0.2292, 0.3363

Sweetspot

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



23.9894, 0.3093, 0.2545



62.5881, 0.3120, 0.3069



21.7017, 0.2623, 0.2552



13.6241, 0.3118, 0.3034



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.



23.9894, 0.3093, 0.2545



38.6637, 0.3082, 0.2378



23.9884, 0.3375, 0.2813



7.6209, 0.3119, 0.3066



6.9125, 0.2918, 0.1381



0.1804, 0.3020, 0.1438

Inverse Universe

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



23.2265, 0.3703, 0.3200



37.0956, 0.3888, 0.3179



34.4935, 0.2942, 0.3823



7.5562, 0.3268, 0.3264



6.3286, 0.6227, 0.3204



0.1582, 0.5618, 0.2868

Previews

White Background



This preview shows how the Yxy color 23.9884, 0.3093, 0.2545 looks on a white background.

Color Contrast Check

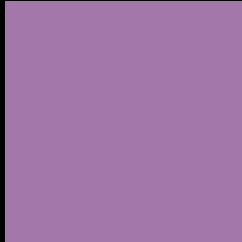
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9884, 0.3093, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

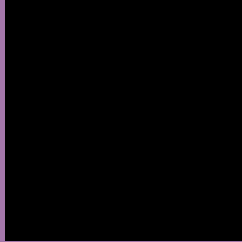
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9884, 0.3093, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 23.9884, 0.3093, 0.2545.



This preview shows how white text looks on a background with the Yxy color 23.9884, 0.3093, 0.2545.

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

23.9884, 0.3093, 0.2545

Protanopia

24.1353, 0.2575, 0.2535

Deuteranopia

24.1550, 0.2765, 0.2707



Tritanopia

24.0419, 0.3422, 0.3149

Trichromacy



Original Color

23.9884, 0.3093, 0.2545

Protanomaly

23.8913, 0.2750, 0.2539

Deuteranomaly

23.8830, 0.2874, 0.2632

Tritanomaly

23.8811, 0.3300, 0.2905

Monochromacy



Original Color

23.9884, 0.3093, 0.2545

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6377, 0.3108, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9884, 0.3093, 0.2545 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(164, 119, 170)` looks like.

```
.text, #text, p{  
    color:rgb(164, 119, 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(164, 119, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 119, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.9884, 0.3093, 0.2545 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(164, 119, 170) }
```

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

```
.border{ border-color:rgb(164, 119, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 119, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 119, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 119, 170);  
box-shadow:4px 4px 4px 4px rgb(164, 119,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9884, 0.3093, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 119, 170) }
```

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

```
.background{ background-color: rgb(164,  
119, 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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