

Converting Colors

$Y_{xy}(23.5572, 0.3148, 0.2495)$

Have a look what the booklet for
Yxy(23.5572, 0.3148, 0.2495)
contains.

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Color

Yxy(23.5988, 0.3153, 0.2501)

Conversions

Conversions Part 1

Format	Color
Hex	A973AA
RGB	169, 115, 170
RGB Percent	66%, 45%, 67%
CMY	0.3372, 0.5490, 0.3334
CMYK	0.01, 0.32, 0.00, 0.33
HSL	299°, 24%, 56%
HSV	299°, 32%, 67%
XYZ	29.7509, 23.5988, 41.0078
YIQ	137.4160, 14.5290, 28.5530

Conversions

Conversions Part 2

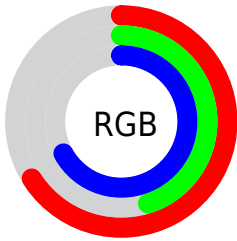
Format	Color
RYB	169, 115, 170
Decimal	11105194
CIELab	55.68, 30.51, -20.84
CIELCh	56, 36.944, 325.661
Yxy	23.5988, 0.3153, 0.2501
Android (android.graphics.Color)	4289295274 (0xFFA973AA)
YUV	137.4160, 16.0639, 27.6992
Hunter-Lab	48.5786, 24.3059, -16.0448

Details

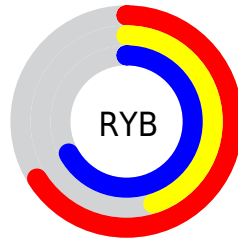
The Yxy color **23.5988, 0.3153, 0.2501** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.6901, 0.3091, 0.4223**, and the grayscale version is **25.1165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4491, 0.3157, 0.2662**, and **8.9174, 0.3141, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **20.0415, 0.3160, 0.2268**, and if you desaturate by 10%, it is **27.8730, 0.3146, 0.2745**.

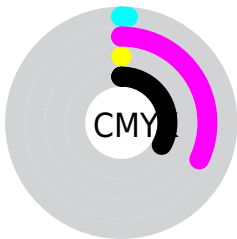
Distribution



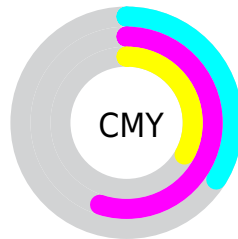
- Red (66%)
- Green (45%)
- Blue (67%)



- Red (66%)
- Yellow (45%)
- Blue (67%)



- Cyan (1%)
- Magenta (32%)
- Yellow (0%)
- Black (33%)





- Cyan (34%)
- Magenta (55%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5988, 0.3153, 0.2501 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 23.5988, 0.3153, 0.2501 by changing the saturation by 10% instead.


 23.5988, 0.3153,
0.2501

 23.5988, 0.3153,
0.2501


270.7858, 0.3149,
0.2913


 15.0363, 0.3150,
0.2393


 49.3747, 0.3154,
0.2655


 8.8449, 0.3144,
0.2251


 67.3569, 0.3154,
0.2711

 4.6401, 0.3131,
0.2058


 89.2477, 0.3153,
0.2759

 2.0377, 0.3101,
0.1782

 115.4316, 0.3152,
0.2799

 0.6292, 0.3041,
0.1321

146.2930, 0.3151,
0.2834

 0.0000, 0.2367,
0.0000

182.2162, 0.3150,

 0.0000, 0.0000,

0.2864

0.0000

223.5857, 0.3150,
0.2890

■ 23.5988, 0.3153,
0.2501

■ 23.5988, 0.3153,
0.2501

■ 20.0415, 0.3160,
0.2268

■ 27.8730, 0.3146,
0.2745

■ 17.1588, 0.3165,
0.2054

■ 32.8974, 0.3137,
0.2992

■ 14.9084, 0.3168,
0.1870


■ 38.7068, 0.3129,
0.3234


■ 13.2422, 0.3170,
0.1722


■ 45.3331, 0.3121,
0.3467


■ 12.1054, 0.3170,
0.1614

■ 52.8063, 0.3113,
0.3686


 11.4322, 0.3168,
0.1549

 61.1550, 0.3105,
0.3890

 11.1195, 0.3166,
0.1518

 70.4063, 0.3097,
0.4077

 80.5862, 0.3090,
0.4248

 83.1569, 0.3090,
0.4286

Harmonies

Analogous

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



23.5988, 0.2552, 0.2308



23.5988, 0.3153, 0.2501



23.5988, 0.3811, 0.2860

Triad

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



23.5988, 0.3153, 0.2501



23.5988, 0.4150, 0.4250



23.5988, 0.2081, 0.3083

Complementary

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



23.5988, 0.3153, 0.2501



33.6901, 0.3091, 0.4223

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.



23.5988, 0.2436, 0.3751



23.5988, 0.3153, 0.2501



23.5988, 0.3626, 0.4474

Square

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



23.5988, 0.3153, 0.2501



23.5988, 0.4410, 0.3815



23.5988, 0.2997, 0.4308



23.5988, 0.1986, 0.2576

Rectangle

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



23.5988, 0.3153, 0.2501



23.5988, 0.4166, 0.3161



23.5988, 0.2997, 0.4308



23.5988, 0.2171, 0.3297

Sweetspot

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



23.5998, 0.3153, 0.2501



61.8645, 0.3136, 0.3045



19.2289, 0.2566, 0.2388



13.4905, 0.3137, 0.3012



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.



23.5998, 0.3153, 0.2501



37.9550, 0.3158, 0.2328



22.8280, 0.3468, 0.2852



7.6599, 0.3135, 0.3067



8.1843, 0.3167, 0.1518



0.2011, 0.3182, 0.1526

Inverse Universe

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



22.0644, 0.3840, 0.3277



34.7271, 0.4082, 0.3275



34.3000, 0.2887, 0.3776



7.5443, 0.3283, 0.3287



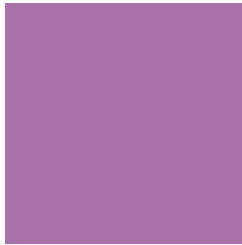
6.2922, 0.6377, 0.3286



0.1537, 0.6267, 0.3226

Previews

White Background



This preview shows how the Yxy color 23.5988, 0.3153, 0.2501 looks on a white background.

Color Contrast Check

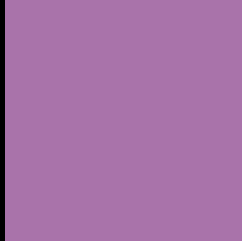
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5988, 0.3153, 0.2501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

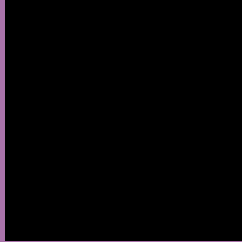
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5988, 0.3153, 0.2501

Background



This preview shows how black text looks on a background with the Yxy color 23.5988, 0.3153, 0.2501.



This preview shows how white text looks on a background with the Yxy color 23.5988, 0.3153, 0.2501.

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

23.5988, 0.3153, 0.2501

Protanopia

23.8434, 0.2533, 0.2474

Deuteranopia

23.7684, 0.2763, 0.2703



Tritanopia

23.7244, 0.3527, 0.3151

Trichromacy



Original Color

23.5988, 0.3153, 0.2501

Protanomaly

23.4544, 0.2730, 0.2481

Deuteranomaly

23.4237, 0.2893, 0.2616

Tritanomaly

23.6153, 0.3389, 0.2896

Monochromacy



Original Color

23.5988, 0.3153, 0.2501

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.2600, 0.3142, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5988, 0.3153, 0.2501 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(169, 115, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 115, 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(169, 115, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 115, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.5988, 0.3153, 0.2501 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(169, 115, 170) }
```

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

```
.border{ border-color:rgb(169, 115, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 115, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 115, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 115, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 115,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5988, 0.3153, 0.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 115, 170) }
```

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

```
.background{ background-color: rgb(169,  
115, 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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