

Converting Colors

$Y_{xy}(24.1865, 0.3164, 0.2497)$

Have a look what the booklet for
Yxy(24.1865, 0.3164, 0.2497)
contains.

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Color

Yxy(24.2400, 0.3164, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	AC74AC
RGB	172, 116, 172
RGB Percent	67%, 45%, 67%
CMY	0.3256, 0.5451, 0.3255
CMYK	0.00, 0.33, 0.00, 0.33
HSL	300°, 25%, 56%
HSV	300°, 33%, 67%
XYZ	30.7027, 24.2400, 42.0949
YIQ	139.1280, 15.4000, 29.2880

Conversions

Conversions Part 2

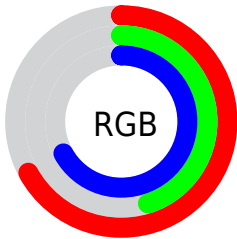
Format	Color
RYB	172, 116, 172
Decimal	11302060
CIELab	56.33, 31.31, -21.00
CIElCh	56, 37.702, 326.159
Yxy	24.2400, 0.3164, 0.2498
Android (android.graphics.Color)	4289492140 (0xFFAC74AC)
YUV	139.1280, 16.2059, 28.8287
Hunter-Lab	49.2341, 25.1540, -16.2287

Details

The Yxy color **24.2400, 0.3164, 0.2498** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.4857, 0.3083, 0.4233**, and the grayscale version is **25.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4714, 0.3157, 0.2648**, and **9.1744, 0.3159, 0.2239** is the 20% darker color. If you saturate the color by 10%, you get **20.6345, 0.3175, 0.2267**, and if you desaturate by 10%, it is **28.5819, 0.3153, 0.2741**.

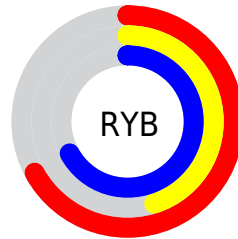
Distribution



Red (67%)

Green (45%)

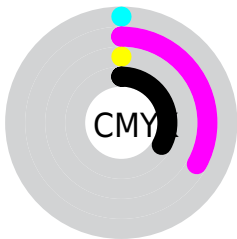
Blue (67%)



Red (67%)

Yellow (45%)

Blue (67%)

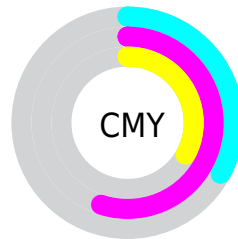


Cyan (0%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2400, 0.3164, 0.2498 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 24.2400, 0.3164, 0.2498 by changing the saturation by 10% instead.


 24.2400, 0.3164,
0.2498


 24.2400, 0.3164,
0.2498


274.0316, 0.3154,
0.2910

 15.5117, 0.3163,
0.2391


 50.4216, 0.3163,
0.2651

 9.1793, 0.3159,
0.2250


 68.6437, 0.3161,
0.2708

 4.8583, 0.3150,
0.2060


 90.7992, 0.3160,
0.2755

 2.1644, 0.3125,
0.1790

117.2725, 0.3159,
0.2795

 0.7005, 0.3068,
0.1362

148.4480, 0.3157,
0.2830

 0.0000, 0.2691,
0.0000

184.7101, 0.3156,

 0.0000, 0.0000,

0.2860

0.0000

226.4431, 0.3155,
0.2886

■ 24.2400, 0.3164,
0.2498

■ 24.2400, 0.3164,
0.2498

■ 20.6345, 0.3175,
0.2267

■ 28.5819, 0.3153,
0.2741

■ 17.7216, 0.3184,
0.2057

■ 33.6944, 0.3141,
0.2987

■ 15.4578, 0.3193,
0.1876


■ 39.6136, 0.3130,
0.3229


■ 13.7935, 0.3199,
0.1732

■ 46.3722, 0.3119,
0.3462

■ 12.6717, 0.3204,
0.1630

■ 54.0012, 0.3109,
0.3682

 12.0248, 0.3207,
0.1568

 62.5299, 0.3099,
0.3887

 11.7412, 0.3208,
0.1541

 71.9865, 0.3090,
0.4076

 82.3976, 0.3082,
0.4248

 83.2762, 0.3082,
0.4261

Harmonies

Analogous

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



24.2400, 0.2554, 0.2300



24.2400, 0.3164, 0.2498



24.2400, 0.3829, 0.2862

Triad

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



24.2400, 0.3164, 0.2498



24.2400, 0.4153, 0.4265



24.2400, 0.2067, 0.3069

Complementary

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



24.2400, 0.3164, 0.2498



34.4857, 0.3083, 0.4233

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.



24.2400, 0.2420, 0.3745



24.2400, 0.3164, 0.2498



24.2400, 0.3620, 0.4489

Square

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



24.2400, 0.3164, 0.2498



24.2400, 0.4423, 0.3827



24.2400, 0.2985, 0.4314



24.2400, 0.1975, 0.2562

Rectangle

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



24.2400, 0.3164, 0.2498



24.2400, 0.4185, 0.3166



24.2400, 0.2985, 0.4314



24.2400, 0.2156, 0.3285

Sweetspot

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



24.2411, 0.3164, 0.2498



63.5354, 0.3139, 0.3045



19.4025, 0.2559, 0.2364



13.5055, 0.3140, 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.



24.2411, 0.3164, 0.2498



39.1663, 0.3172, 0.2331



23.3078, 0.3483, 0.2862



8.1479, 0.3138, 0.3067



8.7363, 0.3208, 0.1541



0.2431, 0.3208, 0.1541

Inverse Universe

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



22.5271, 0.3860, 0.3292



35.5737, 0.4100, 0.3292



35.2081, 0.2879, 0.3765



8.0154, 0.3286, 0.3290



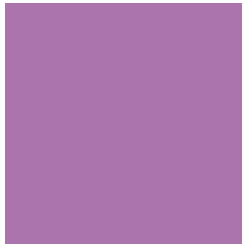
6.5270, 0.6400, 0.3299



0.1816, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 24.2400, 0.3164, 0.2498 looks on a white background.

Color Contrast Check

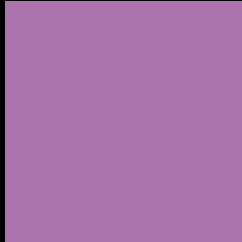
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2400, 0.3164, 0.2498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

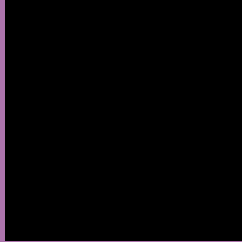
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2400, 0.3164, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 24.2400, 0.3164, 0.2498.



This preview shows how white text looks on a background with the Yxy color 24.2400, 0.3164, 0.2498.

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

24.2400, 0.3164, 0.2498

Protanopia

24.5460, 0.2531, 0.2482

Deuteranopia

24.4649, 0.2758, 0.2709



Tritanopia

24.3242, 0.3549, 0.3153

Trichromacy



Original Color

24.2400, 0.3164, 0.2498

Protanomaly

23.9630, 0.2734, 0.2474

Deuteranomaly

24.1920, 0.2896, 0.2624

Tritanomaly

24.2163, 0.3411, 0.2902

Monochromacy



Original Color

24.2400, 0.3164, 0.2498

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0463, 0.3142, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2400, 0.3164, 0.2498 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(172, 116, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 116, 172)  
}
```

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(172, 116, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 116, 172) }
```

Border

The CSS property to change the border of an element to Yxy 24.2400, 0.3164, 0.2498 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(172, 116, 172) }
```

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

```
.border{ border-color:rgb(172, 116, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 116, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 116, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 116, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 116,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2400, 0.3164, 0.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 116, 172) }
```

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

```
.background{ background-color: rgb(172,  
116, 172) }
```

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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