

Converting Colors

$Y_{xy}(24.2284, 0.3099, 0.2340)$

Have a look what the booklet for
Yxy(24.2284, 0.3099, 0.2340)
contains.

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Color

Yxy(24.1958, 0.3103, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	B070B6
RGB	176, 112, 182
RGB Percent	69%, 44%, 71%
CMY	0.3099, 0.5607, 0.2862
CMYK	0.03, 0.38, 0.00, 0.29
HSL	295°, 32%, 58%
HSV	295°, 38%, 71%
XYZ	32.1402, 24.1958, 47.2419
YIQ	139.1160, 15.6740, 35.3380

Conversions

Conversions Part 2

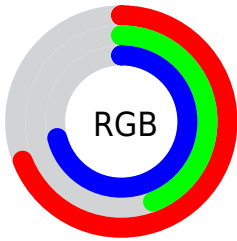
Format	Color
R _Y B	176, 112, 182
Decimal	11563190
CIE Lab	56.28, 36.78, -26.78
CIE LCh	56, 45.496, 323.936
Yxy	24.1958, 0.3103, 0.2336
Android (android.graphics.Color)	4289753270 (0xFFB070B6)
YUV	139.1160, 21.1418, 32.3473
Hunter-Lab	49.1892, 30.5507, -22.5103

Details

The Yxy color **24.1958, 0.3103, 0.2336** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.4885, 0.3121, 0.4426**, and the grayscale version is **25.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4070, 0.3121, 0.2518**, and **9.1678, 0.3068, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **20.3957, 0.3091, 0.2103**, and if you desaturate by 10%, it is **28.8121, 0.3113, 0.2584**.

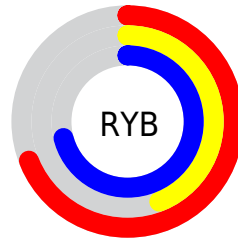
Distribution



Red (69%)

Green (44%)

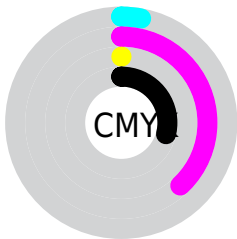
Blue (71%)



Red (69%)

Yellow (44%)

Blue (71%)

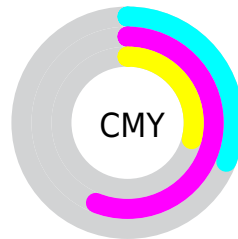


Cyan (3%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (31%)


Magenta (56%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1958, 0.3103, 0.2336 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 24.1958, 0.3103, 0.2336 by changing the saturation by 10% instead.


 24.1958, 0.3103,
0.2336


 24.1958, 0.3103,
0.2336


273.8089, 0.3130,
0.2824


 15.4789, 0.3090,
0.2212


 50.3495, 0.3117,
0.2515


 9.1562, 0.3070,
0.2052


 68.5552, 0.3121,
0.2582

 4.8432, 0.3036,
0.1840


 90.6925, 0.3124,
0.2638

 2.1556, 0.2974,
0.1548

 117.1460, 0.3126,
0.2686

 0.6956, 0.2851,
0.1113

148.3000, 0.3128,
0.2728

 0.0000, 0.2523,
0.0000

184.5389, 0.3129,

 0.0000, 0.0000,

0.2764

0.0000

226.2470, 0.3130,
0.2796

■ 24.1958, 0.3103,
0.2336

■ 24.1958, 0.3103,
0.2336

■ 20.3957, 0.3091,
0.2103

■ 28.8121, 0.3113,
0.2584

■ 17.3593, 0.3076,
0.1893

■ 34.2864, 0.3120,
0.2836

■ 15.0332, 0.3058,
0.1717


■ 40.6617, 0.3125,
0.3085

■ 13.3555, 0.3039,
0.1580


■ 47.9769, 0.3127,
0.3326


■ 12.2540, 0.3018,
0.1486


■ 56.2689, 0.3129,
0.3554


 11.6069, 0.2997,
0.1430

 65.5725, 0.3129,
0.3767

 11.5199, 0.2994,
0.1423

 75.9206, 0.3127,
0.3962

 85.6581, 0.3127,
0.4116

 85.8593, 0.3137,
0.4114

Harmonies

Analogous

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



24.1958, 0.2397, 0.2122



24.1958, 0.3103, 0.2336



24.1958, 0.3914, 0.2742

Triad

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



24.1958, 0.3103, 0.2336



24.1958, 0.4371, 0.4393



24.1958, 0.1893, 0.3062

Complementary

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



24.1958, 0.3103, 0.2336



38.4885, 0.3121, 0.4426

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.



24.1958, 0.2318, 0.3904



24.1958, 0.3103, 0.2336



24.1958, 0.3744, 0.4732

Square

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



24.1958, 0.3103, 0.2336



24.1958, 0.4684, 0.3848



24.1958, 0.2993, 0.4589



24.1958, 0.1774, 0.2444

Rectangle

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



24.1958, 0.3103, 0.2336



24.1958, 0.4365, 0.3086



24.1958, 0.2993, 0.4589



24.1958, 0.2001, 0.3330

Sweetspot

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



24.1969, 0.3103, 0.2336



69.1836, 0.3123, 0.2993



20.0201, 0.2449, 0.2256



14.9469, 0.3122, 0.2961



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.1969, 0.3103, 0.2336



38.0293, 0.3093, 0.2141



23.8717, 0.3500, 0.2702



9.1223, 0.3124, 0.3064



8.1479, 0.2996, 0.1424



0.2989, 0.3055, 0.1456

Inverse Universe

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



22.8473, 0.3979, 0.3205



35.3042, 0.4268, 0.3189



38.8028, 0.2879, 0.3969



9.0245, 0.3275, 0.3271



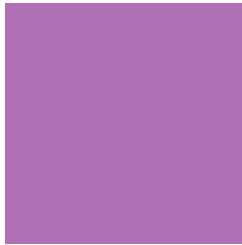
7.0532, 0.6288, 0.3237



0.2529, 0.5885, 0.3015

Previews

White Background



This preview shows how the Yxy color 24.1958, 0.3103, 0.2336 looks on a white background.

Color Contrast Check

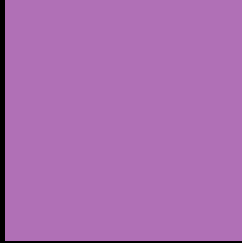
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1958, 0.3103, 0.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

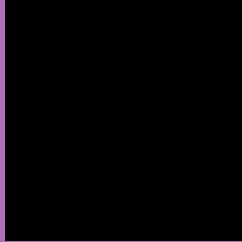
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1958, 0.3103, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 24.1958, 0.3103, 0.2336.



This preview shows how white text looks on a background with the Yxy color 24.1958, 0.3103, 0.2336.

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

24.1958, 0.3103, 0.2336

Protanopia

24.4760, 0.2384, 0.2276

Deuteranopia

24.3494, 0.2626, 0.2570



Tritanopia

24.2669, 0.3589, 0.3154

Trichromacy



Original Color

24.1958, 0.3103, 0.2336

Protanomaly

23.8359, 0.2604, 0.2276

Deuteranomaly

23.8512, 0.2791, 0.2468

Tritanomaly

24.1663, 0.3415, 0.2834

Monochromacy



Original Color

24.1958, 0.3103, 0.2336

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.7425, 0.3112, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1958, 0.3103, 0.2336 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(176, 112, 182)` looks like.

```
.text, #text, p{  
    color:rgb(176, 112, 182)  
}
```

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(176, 112, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 112, 182) }
```

Border

The CSS property to change the border of an element to Yxy 24.1958, 0.3103, 0.2336 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(176, 112, 182) }
```

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

```
.border{ border-color:rgb(176, 112, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 112, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 112, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 112, 182);  
box-shadow:4px 4px 4px 4px rgb(176, 112,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1958, 0.3103, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 112, 182) }
```

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

```
.background{ background-color: rgb(176,  
112, 182) }
```

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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