

Converting Colors

$Y_{xy}(22.6622, 0.2863, 0.2230)$

Have a look what the booklet for
Yxy(22.6622, 0.2863, 0.2230)
contains.

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Color

Yxy(22.7690, 0.2865, 0.2236)

Conversions

Conversions Part 1

Format	Color
Hex	9F71BB
RGB	159, 113, 187
RGB Percent	62%, 44%, 73%
CMY	0.3765, 0.5569, 0.2666
CMYK	0.15, 0.40, 0.00, 0.27
HSL	277°, 35%, 59%
HSV	277°, 40%, 73%
XYZ	29.1741, 22.7690, 49.8861
YIQ	135.1900, 3.6620, 32.7660

Conversions

Conversions Part 2

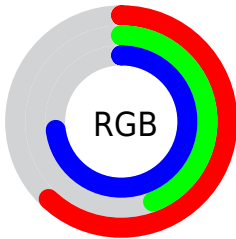
Format	Color
RYB	159, 113, 187
Decimal	10449339
CIELab	54.83, 31.96, -32.06
CIELCh	55, 45.268, 314.916
Yxy	22.7690, 0.2865, 0.2236
Android (android.graphics.Color)	4288639419 (0xFF9F71BB)
YUV	135.1900, 25.5423, 20.8814
Hunter-Lab	47.7169, 25.6302, -28.5835

Details

The Yxy color **22.7690, 0.2865, 0.2236** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.4104, 0.3297, 0.4404**, and the grayscale version is **24.2055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1906, 0.2935, 0.2445**, and **8.4244, 0.2754, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **18.3145, 0.2775, 0.1960**, and if you desaturate by 10%, it is **28.1267, 0.2946, 0.2516**.

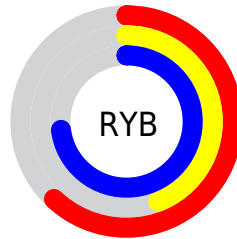
Distribution



Red (62%)

Green (44%)

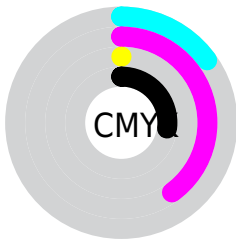
Blue (73%)



Red (62%)

Yellow (44%)

Blue (73%)

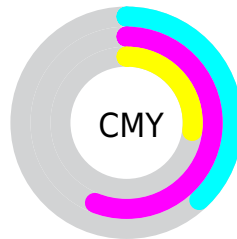


Cyan (15%)

Magenta (40%)

Yellow (0%)

Black (27%)



Cyan (38%)


Magenta (56%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7690, 0.2865, 0.2236 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 22.7690, 0.2865, 0.2236 by changing the saturation by 10% instead.


 22.7690, 0.2865,
0.2236


 22.7690, 0.2865,
0.2236


266.5363, 0.3023,
0.2778


 14.4230, 0.2816,
0.2098


 48.0137, 0.2929,
0.2435

 8.4155, 0.2748,
0.1922


 65.6813, 0.2951,
0.2509

 4.3619, 0.2647,
0.1688


 87.2249, 0.2969,
0.2572

 1.8780, 0.2486,
0.1370

 113.0288, 0.2983,
0.2625

 0.5351, 0.2220,
0.0865

143.4775, 0.2996,
0.2671

 0.0000, 0.1175,
0.0000

178.9554, 0.3006,

 0.0000, 0.0000,

0.2711

0.0000

219.8469, 0.3015,
0.2747

■ 22.7690, 0.2865,
0.2236

■ 22.7690, 0.2865,
0.2236

■ 18.3145, 0.2775,
0.1960

■ 28.1267, 0.2946,
0.2516

■ 14.7066, 0.2678,
0.1700

■ 34.4343, 0.3017,
0.2791

■ 11.8864, 0.2577,
0.1468


■ 41.7382, 0.3078,
0.3054


■ 9.7860, 0.2475,
0.1276


■ 50.0812, 0.3129,
0.3300


■ 8.3254, 0.2376,
0.1133


■ 59.5034, 0.3172,
0.3527

 7.3534, 0.2282,
0.1033

 70.0429, 0.3208,
0.3734

 7.3159, 0.2279,
0.1029

 81.7357, 0.3237,
0.3921

 89.6555, 0.3270,
0.4019

 90.7554, 0.3316,
0.4008

Harmonies

Analogous

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



22.7690, 0.2220, 0.2087



22.7690, 0.2865, 0.2236



22.7690, 0.3683, 0.2594

Triad

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



22.7690, 0.2865, 0.2236



22.7690, 0.4525, 0.4250



22.7690, 0.1973, 0.3302

Complementary

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



22.7690, 0.2865, 0.2236



42.4104, 0.3297, 0.4404

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.



22.7690, 0.2490, 0.4165



22.7690, 0.2865, 0.2236



22.7690, 0.3964, 0.4687

Square

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



22.7690, 0.2865, 0.2236



22.7690, 0.4714, 0.3676



22.7690, 0.3219, 0.4719



22.7690, 0.1762, 0.2585

Rectangle

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



22.7690, 0.2865, 0.2236



22.7690, 0.4195, 0.2919



22.7690, 0.3219, 0.4719



22.7690, 0.2113, 0.3592

Sweetspot

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



22.7699, 0.2865, 0.2236



71.1341, 0.3063, 0.2987



26.2613, 0.2477, 0.2565



15.2790, 0.3055, 0.2953



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.7699, 0.2865, 0.2236



34.1271, 0.2792, 0.2009



25.6089, 0.3267, 0.2426



9.5109, 0.3079, 0.3060



5.0815, 0.2289, 0.1035



0.2354, 0.2512, 0.1158

Inverse Universe

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



24.3029, 0.3726, 0.2901



37.4222, 0.3913, 0.2823



40.4594, 0.3014, 0.4343



9.5945, 0.3230, 0.3203



7.6041, 0.5435, 0.2768



0.3107, 0.4783, 0.2409

Previews

White Background



This preview shows how the Yxy color 22.7690, 0.2865, 0.2236 looks on a white background.

Color Contrast Check

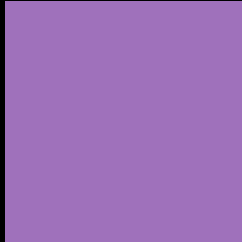
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7690, 0.2865, 0.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

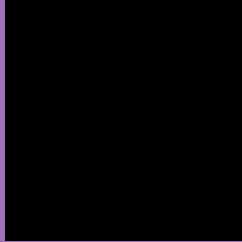
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7690, 0.2865, 0.2236

Background



This preview shows how black text looks on a background with the Yxy color 22.7690, 0.2865, 0.2236.



This preview shows how white text looks on a background with the Yxy color 22.7690, 0.2865, 0.2236.

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

22.7690, 0.2865, 0.2236

Protanopia

22.9348, 0.2308, 0.2185

Deuteranopia

23.0034, 0.2478, 0.2418



Tritanopia

22.7158, 0.3341, 0.3127

Trichromacy



Original Color

22.7690, 0.2865, 0.2236

Protanomaly

22.4660, 0.2478, 0.2192

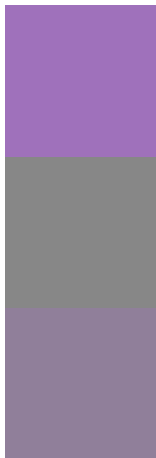
Deuteranomaly

22.6639, 0.2601, 0.2342

Tritanomaly

22.6029, 0.3163, 0.2772

Monochromacy



Original Color

22.7690, 0.2865, 0.2236

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.4411, 0.3034, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7690, 0.2865, 0.2236 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(159, 113, 187)` looks like.

```
.text, #text, p{  
    color:rgb(159, 113, 187)  
}
```

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(159, 113, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 113, 187) }
```

Border

The CSS property to change the border of an element to Yxy 22.7690, 0.2865, 0.2236 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(159, 113, 187) }
```

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

```
.border{ border-color:rgb(159, 113, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 113, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 113, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 113, 187);  
box-shadow:4px 4px 4px 4px rgb(159, 113,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7690, 0.2865, 0.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 113, 187) }
```

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

```
.background{ background-color: rgb(159,  
113, 187) }
```

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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