

Converting Colors

$Y_{xy}(23.1316, 0.3268, 0.2697)$

Have a look what the booklet for
Yxy(23.1316, 0.3268, 0.2697)
contains.

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Color

Yxy(23.2299, 0.3275, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	A6759C
RGB	166, 117, 156
RGB Percent	65%, 46%, 61%
CMY	0.3489, 0.5412, 0.3882
CMYK	0.00, 0.30, 0.06, 0.35
HSL	312°, 22%, 55%
HSV	312°, 30%, 65%
XYZ	28.0938, 23.2299, 34.4588
YIQ	136.0970, 16.6850, 22.5170

Conversions

Conversions Part 2

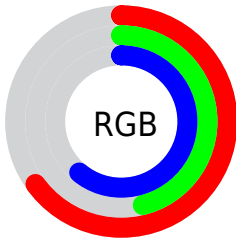
Format	Color
R _Y B	166, 117, 156
Decimal	10909084
CIE Lab	55.31, 25.70, -13.35
CIE LCh	55, 28.960, 332.553
Yxy	23.2299, 0.3275, 0.2708
Android (android.graphics.Color)	4289099164 (0xFFA6759C)
YUV	136.0970, 9.8122, 26.2249
Hunter-Lab	48.1974, 19.7003, -8.6513

Details

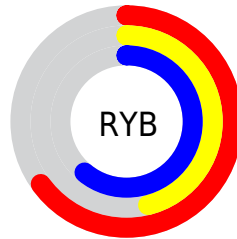
The Yxy color $23.2299, 0.3275, 0.2708$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.5989, 0.3008, 0.3953$, and the grayscale version is $24.6177, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9822, 0.3245, 0.2826$, and $8.6649, 0.3310, 0.2510$ is the 20% darker color. If you saturate the color by 10%, you get $19.5861, 0.3339, 0.2511$, and if you desaturate by 10%, it is $27.5652, 0.3218, 0.2909$.

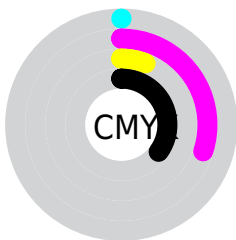
Distribution



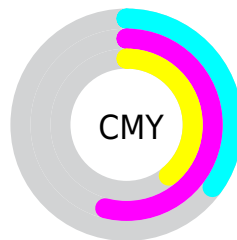
- Red (65%)
- Green (46%)
- Blue (61%)



- Red (65%)
- Yellow (46%)
- Blue (61%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (35%)





- Cyan (35%)
- Magenta (54%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2299, 0.3275, 0.2708 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 23.2299, 0.3275, 0.2708 by changing the saturation by 10% instead.


 23.2299, 0.3275,
0.2708


 23.2299, 0.3275,
0.2708


268.9036, 0.3199,
0.3018

 14.7634, 0.3295,
0.2624


 48.7705, 0.3247,
0.2826

 8.6535, 0.3320,
0.2512


 66.6134, 0.3236,
0.2868

 4.5159, 0.3353,
0.2354


 88.3506, 0.3228,
0.2904

 1.9661, 0.3400,
0.2120

114.3663, 0.3220,
0.2934

 0.5877, 0.3496,
0.1663

145.0451, 0.3214,
0.2960

 0.0000, 0.2667,
0.0000

180.7713, 0.3208,

 0.0000, 0.0000,

0.2982

0.0000

221.9294, 0.3203,
0.3001

■ 23.2299, 0.3275,
0.2708

■ 23.2299, 0.3275,
0.2708

■ 19.5861, 0.3339,
0.2511

■ 27.5652, 0.3218,
0.2909

■ 16.5943, 0.3409,
0.2325

■ 32.6226, 0.3168,
0.3107

■ 14.2160, 0.3484,
0.2160


■ 38.4343, 0.3125,
0.3299

■ 12.4073, 0.3563,
0.2026


■ 45.0301, 0.3088,
0.3480

■ 11.1182, 0.3642,
0.1931


■ 52.4379, 0.3057,
0.3649

 10.2905, 0.3720,
0.1881


 60.6842, 0.3031,
0.3806

 9.8001, 0.3796,
0.1867

 69.7944, 0.3008,
0.3951

 9.7792, 0.3800,
0.1867

 79.7929, 0.2990,
0.4083

 83.1997, 0.2972,
0.4093

Harmonies

Analogous

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



23.2299, 0.2772, 0.2514



23.2299, 0.3275, 0.2708



23.2299, 0.3773, 0.3030

Triad

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



23.2299, 0.3275, 0.2708



23.2299, 0.3870, 0.4123



23.2299, 0.2248, 0.3031

Complementary

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



23.2299, 0.3275, 0.2708



32.5989, 0.3008, 0.3953

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.



23.2299, 0.2497, 0.3534



23.2299, 0.3275, 0.2708



23.2299, 0.3426, 0.4213

Square

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



23.2299, 0.3275, 0.2708



23.2299, 0.4123, 0.3819



23.2299, 0.2923, 0.3996



23.2299, 0.2215, 0.2662

Rectangle

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



23.2299, 0.3275, 0.2708



23.2299, 0.4015, 0.3289



23.2299, 0.2923, 0.3996



23.2299, 0.2307, 0.3190

Sweetspot

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



23.2309, 0.3275, 0.2708



59.5482, 0.3167, 0.3115



19.9705, 0.2721, 0.2474



13.0166, 0.3173, 0.3087



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.2309, 0.3275, 0.2708



37.9584, 0.3313, 0.2587



22.4881, 0.3574, 0.3064



7.6399, 0.3167, 0.3112



7.5866, 0.3793, 0.1863



0.1911, 0.3568, 0.1739

Inverse Universe

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



23.2309, 0.3275, 0.2708



37.9584, 0.3313, 0.2587



33.3110, 0.2818, 0.3531



7.6399, 0.3167, 0.3112



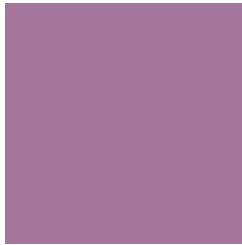
7.5866, 0.3793, 0.1863



0.1911, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 23.2299, 0.3275, 0.2708 looks on a white background.

Color Contrast Check

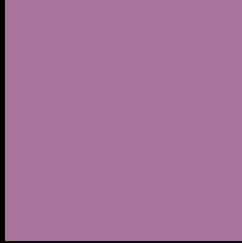
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2299, 0.3275, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

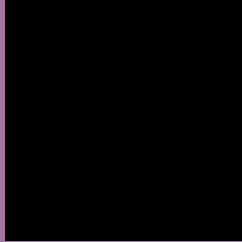
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2299, 0.3275, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 23.2299, 0.3275, 0.2708.



This preview shows how white text looks on a background with the Yxy color 23.2299, 0.3275, 0.2708.

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

23.2299, 0.3275, 0.2708

Protanopia

23.2709, 0.2713, 0.2708

Deuteranopia

23.2678, 0.2946, 0.2876



Tritanopia

23.3443, 0.3530, 0.3150

Trichromacy



Original Color

23.2299, 0.3275, 0.2708

Protanomaly

23.0193, 0.2898, 0.2709

Deuteranomaly

23.2368, 0.3058, 0.2810

Tritanomaly

23.2189, 0.3437, 0.2982

Monochromacy



Original Color

23.2299, 0.3275, 0.2708

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.8867, 0.3184, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2299, 0.3275, 0.2708 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(166, 117, 156)` looks like.

```
.text, #text, p{  
    color:rgb(166, 117, 156)  
}
```

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(166, 117, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 117, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.2299, 0.3275, 0.2708 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(166, 117, 156) }
```

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

```
.border{ border-color:rgb(166, 117, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 117, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 117, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 117, 156);  
box-shadow:4px 4px 4px 4px rgb(166, 117,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2299, 0.3275, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 117, 156) }
```

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

```
.background{ background-color: rgb(166,  
117, 156) }
```

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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