

Converting Colors

$Y_{xy}(22.9145, 0.3295, 0.2719)$

Have a look what the booklet for
Yxy(22.9145, 0.3295, 0.2719)
contains.

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Color

Yxy(22.9309, 0.3299, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	A6749A
RGB	166, 116, 154
RGB Percent	65%, 45%, 60%
CMY	0.3491, 0.5451, 0.3960
CMYK	0.00, 0.30, 0.07, 0.35
HSL	314°, 22%, 55%
HSV	314°, 30%, 65%
XYZ	27.8019, 22.9309, 33.5410
YIQ	135.2820, 17.6020, 22.4180

Conversions

Conversions Part 2

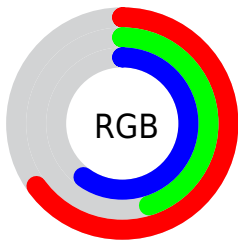
Format	Color
R _Y B	166, 116, 154
Decimal	10908826
CIE Lab	55.00, 25.87, -12.66
CIE LCh	55, 28.798, 333.927
Yxy	22.9309, 0.3299, 0.2721
Android (android.graphics.Color)	4289098906 (0xFFA6749A)
YUV	135.2820, 9.2280, 26.9397
Hunter-Lab	47.8862, 19.8332, -8.0082

Details

The Yxy color **22.9309, 0.3299, 0.2721** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.5364, 0.2992, 0.3936**, and the grayscale version is **24.2995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4596, 0.3272, 0.2846**, and **8.5043, 0.3348, 0.2527** is the 20% darker color. If you saturate the color by 10%, you get **19.3105, 0.3373, 0.2531**, and if you desaturate by 10%, it is **27.2414, 0.3234, 0.2914**.

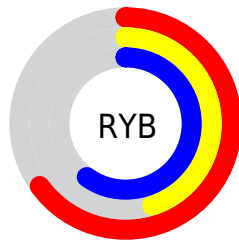
Distribution



Red (65%)

Green (45%)

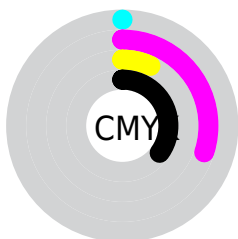
Blue (60%)



Red (65%)

Yellow (45%)

Blue (60%)

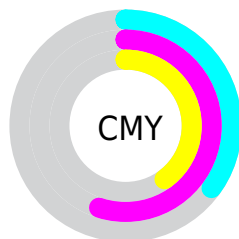


Cyan (0%)

Magenta (30%)

Yellow (7%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9309, 0.3299, 0.2721 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 22.9309, 0.3299, 0.2721 by changing the saturation by 10% instead.


 22.9309, 0.3299,
0.2721


 22.9309, 0.3299,
0.2721


267.3699, 0.3209,
0.3025


 14.5425, 0.3323,
0.2638


 48.2798, 0.3265,
0.2837

 8.4989, 0.3354,
0.2527


 66.0092, 0.3253,
0.2878

 4.4158, 0.3396,
0.2372


 87.6209, 0.3243,
0.2913

 1.9088, 0.3456,
0.2138

113.4995, 0.3234,
0.2943

 0.5537, 0.3589,
0.1657

144.0293, 0.3226,
0.2968

 0.0000, 0.2719,
0.0000

179.5947, 0.3220,

 0.0000, 0.0000,

0.2990

0.0000

220.5801, 0.3214,
0.3009

■ 22.9309, 0.3299,
0.2721

■ 22.9309, 0.3299,
0.2721

■ 19.3105, 0.3373,
0.2531

■ 27.2414, 0.3234,
0.2914

■ 16.3407, 0.3455,
0.2353

■ 32.2727, 0.3177,
0.3105

■ 13.9827, 0.3544,
0.2195


■ 38.0573, 0.3128,
0.3288


■ 12.1923, 0.3637,
0.2068


■ 44.6249, 0.3086,
0.3462

■ 10.9193, 0.3733,
0.1981


■ 52.0035, 0.3051,
0.3624

 10.1047, 0.3827,
0.1938

 60.2198, 0.3021,
0.3775

 9.6176, 0.3918,
0.1932

 69.2992, 0.2996,
0.3913

 79.2660, 0.2975,
0.4040

 83.3325, 0.2956,
0.4054

Harmonies

Analogous

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



22.9309, 0.2793, 0.2521



22.9309, 0.3299, 0.2721



22.9309, 0.3792, 0.3048

Triad

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



22.9309, 0.3299, 0.2721



22.9309, 0.3852, 0.4132



22.9309, 0.2242, 0.3011

Complementary

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



22.9309, 0.3299, 0.2721



32.5364, 0.2992, 0.3936

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.



22.9309, 0.2482, 0.3509



22.9309, 0.3299, 0.2721



22.9309, 0.3403, 0.4209

Square

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



22.9309, 0.3299, 0.2721



22.9309, 0.4116, 0.3835



22.9309, 0.2901, 0.3978



22.9309, 0.2220, 0.2651

Rectangle

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



22.9309, 0.3299, 0.2721



22.9309, 0.4027, 0.3308



22.9309, 0.2901, 0.3978



22.9309, 0.2299, 0.3168

Sweetspot

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



22.9319, 0.3299, 0.2721



59.5137, 0.3172, 0.3122



19.8095, 0.2730, 0.2460



13.0077, 0.3179, 0.3096



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.



22.9319, 0.3299, 0.2721



37.1783, 0.3347, 0.2596



22.1921, 0.3607, 0.3085



7.6355, 0.3172, 0.3120



7.4676, 0.3911, 0.1928



0.1889, 0.3637, 0.1777

Inverse Universe

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



22.9319, 0.3299, 0.2721



37.1783, 0.3347, 0.2596



33.2672, 0.2800, 0.3508



7.6355, 0.3172, 0.3120



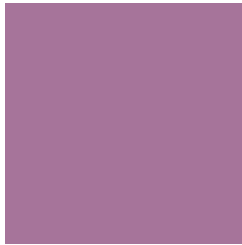
7.4676, 0.3911, 0.1928



0.1889, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 22.9309, 0.3299, 0.2721 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 22.9309, 0.3299, 0.2721 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 22.9309, 0.3299, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 22.9309, 0.3299, 0.2721.



This preview shows how white text looks on a background with the Yxy color 22.9309, 0.3299, 0.2721.

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

22.9309, 0.3299, 0.2721

Protanopia

23.1980, 0.2730, 0.2739

Deuteranopia

23.1184, 0.2955, 0.2906



Tritanopia

22.8312, 0.3549, 0.3134

Trichromacy



Original Color

22.9309, 0.3299, 0.2721

Protanomaly

22.9487, 0.2918, 0.2738

Deuteranomaly

22.8262, 0.3068, 0.2822

Tritanomaly

22.9502, 0.3451, 0.2982

Monochromacy



Original Color

22.9309, 0.3299, 0.2721

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5023, 0.3184, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9309, 0.3299, 0.2721 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, 116, 154)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 154)  
}
```

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, 116, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.9309, 0.3299, 0.2721 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, 116, 154) }
```

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

```
.border{ border-color:rgb(166, 116, 154) }
```

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

Here you see how a box with a 4 pixel rgb(166, 116, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 154);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9309, 0.3299, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 154) }
```

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

```
.background{ background-color: rgb(166,  
116, 154) }
```

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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