

Converting Colors

$Y_{xy}(22.9758, 0.3261, 0.2589)$

Have a look what the booklet for
Yxy(22.9758, 0.3261, 0.2589)
contains.

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Color

Yxy(22.9295, 0.3269, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	AA71A1
RGB	170, 113, 161
RGB Percent	67%, 44%, 63%
CMY	0.3332, 0.5569, 0.3687
CMYK	0.00, 0.34, 0.05, 0.33
HSL	310°, 25%, 55%
HSV	310°, 34%, 67%
XYZ	28.9184, 22.9295, 36.6147
YIQ	135.5150, 18.5640, 27.0120

Conversions

Conversions Part 2

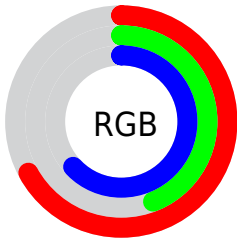
Format	Color
RYB	170, 113, 161
Decimal	11170209
CIELab	55.00, 30.26, -16.67
CIELCh	55, 34.544, 331.155
Yxy	22.9295, 0.3269, 0.2592
Android (android.graphics.Color)	4289360289 (0xFFAA71A1)
YUV	135.5150, 12.5641, 30.2433
Hunter-Lab	47.8848, 24.0008, -11.8162

Details

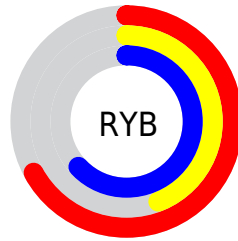
The Yxy color **22.9295, 0.3269, 0.2592** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.6742, 0.3013, 0.4107**, and the grayscale version is **24.3777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3991, 0.3241, 0.2733**, and **8.5528, 0.3316, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **19.3918, 0.3322, 0.2389**, and if you desaturate by 10%, it is **27.1820, 0.3221, 0.2803**.

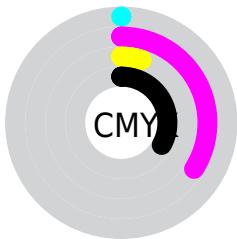
Distribution



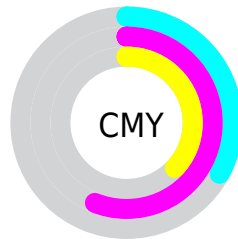
- Red (67%)
- Green (44%)
- Blue (63%)



- Red (67%)
- Yellow (44%)
- Blue (63%)



- Cyan (0%)
- Magenta (34%)
- Yellow (5%)
- Black (33%)





- Cyan (33%)
- Magenta (56%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9295, 0.3269, 0.2592 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 22.9295, 0.3269, 0.2592 by changing the saturation by 10% instead.


 22.9295, 0.3269,
0.2592

 22.9295, 0.3269,
0.2592


267.3627, 0.3199,
0.2961


 14.5415, 0.3286,
0.2493


 48.2775, 0.3244,
0.2731


 8.4982, 0.3307,
0.2363


 66.0063, 0.3234,
0.2782

 4.4154, 0.3333,
0.2183


 87.6175, 0.3226,
0.2824

 1.9085, 0.3365,
0.1919

 113.4954, 0.3219,
0.2860

 0.5535, 0.3431,
0.1418

144.0245, 0.3213,
0.2890

 0.0000, 0.2742,
0.0000

179.5892, 0.3208,

 0.0000, 0.0000,

0.2917

0.0000

220.5737, 0.3203,
0.2940

■ 22.9295, 0.3269,
0.2592

■ 22.9295, 0.3269,
0.2592

■ 19.3918, 0.3322,
0.2389

■ 27.1820, 0.3221,
0.2803

■ 16.5260, 0.3379,
0.2203

■ 32.1828, 0.3177,
0.3013

■ 14.2895, 0.3439,
0.2044

■ 37.9673, 0.3139,
0.3219

■ 12.6333, 0.3500,
0.1919

■ 44.5674, 0.3106,
0.3416

■ 11.5014, 0.3559,
0.1835

■ 52.0134, 0.3078,
0.3601


 10.8266, 0.3616,
0.1796

 60.3341, 0.3054,
0.3773

 10.5345, 0.3652,
0.1785

 69.5567, 0.3033,
0.3932

 79.7076, 0.3016,
0.4077

 83.5810, 0.3002,
0.4104

Harmonies

Analogous

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



22.9295, 0.2676, 0.2375



22.9295, 0.3269, 0.2592



22.9295, 0.3875, 0.2958

Triad

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



22.9295, 0.3269, 0.2592



22.9295, 0.4023, 0.4261



22.9295, 0.2098, 0.2994

Complementary

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



22.9295, 0.3269, 0.2592



33.6742, 0.3013, 0.4107

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.



22.9295, 0.2395, 0.3609



22.9295, 0.3269, 0.2592



22.9295, 0.3498, 0.4408

Square

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



22.9295, 0.3269, 0.2592



22.9295, 0.4321, 0.3878



22.9295, 0.2901, 0.4171



22.9295, 0.2052, 0.2554

Rectangle

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



22.9295, 0.3269, 0.2592



22.9295, 0.4177, 0.3255



22.9295, 0.2901, 0.4171



22.9295, 0.2170, 0.3187

Sweetspot

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



22.9305, 0.3269, 0.2592



61.7390, 0.3164, 0.3083



18.8170, 0.2624, 0.2337



13.4589, 0.3169, 0.3055



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.



22.9305, 0.3269, 0.2592



36.8550, 0.3307, 0.2445



22.0499, 0.3621, 0.2988



7.6459, 0.3161, 0.3102



7.7538, 0.3646, 0.1782



0.1940, 0.3481, 0.1691

Inverse Universe

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



22.9305, 0.3269, 0.2592



36.8550, 0.3307, 0.2445



34.4724, 0.2802, 0.3617



7.6459, 0.3161, 0.3102



7.7538, 0.3646, 0.1782



0.1940, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 22.9295, 0.3269, 0.2592 looks on a white background.

Color Contrast Check

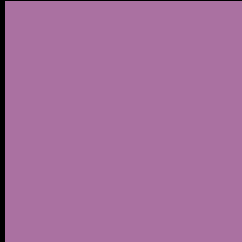
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9295, 0.3269, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

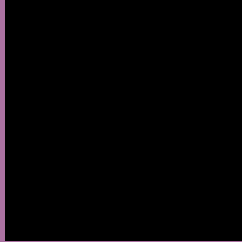
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9295, 0.3269, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 22.9295, 0.3269, 0.2592.



This preview shows how white text looks on a background with the Yxy color 22.9295, 0.3269, 0.2592.

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

22.9295, 0.3269, 0.2592

Protanopia

22.9755, 0.2615, 0.2582

Deuteranopia

23.0747, 0.2864, 0.2808



Tritanopia

22.8592, 0.3615, 0.3152

Trichromacy



Original Color

22.9295, 0.3269, 0.2592

Protanomaly

22.6831, 0.2819, 0.2574

Deuteranomaly

22.7801, 0.3005, 0.2717

Tritanomaly

22.8315, 0.3481, 0.2940

Monochromacy



Original Color

22.9295, 0.3269, 0.2592

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.7786, 0.3175, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9295, 0.3269, 0.2592 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(170, 113, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 113, 161)  
}
```

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(170, 113, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 113, 161) }
```

Border

The CSS property to change the border of an element to Yxy 22.9295, 0.3269, 0.2592 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(170, 113, 161) }
```

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

```
.border{ border-color:rgb(170, 113, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 113, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 113, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 113, 161); box-shadow:4px 4px 4px 4px rgb(170, 113, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9295, 0.3269, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 113, 161) }
```

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

```
.background{ background-color: rgb(170,  
113, 161) }
```

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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