

Converting Colors

$Y_{xy}(22.0903, 0.3089, 0.2369)$

Have a look what the booklet for
Yxy(22.0903, 0.3089, 0.2369)
contains.

Yxy(22.0614, 0.3087, 0.2370)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.0614, 0.3087, 0.2370)

Conversions

Conversions Part 1

Format	Color
Hex	A66DAD
RGB	166, 109, 173
RGB Percent	65%, 43%, 68%
CMY	0.3491, 0.5725, 0.3215
CMYK	0.04, 0.37, 0.00, 0.32
HSL	293°, 28%, 55%
HSV	293°, 37%, 68%
XYZ	28.7357, 22.0614, 42.2890
YIQ	133.3390, 13.4280, 31.9880

Conversions

Conversions Part 2

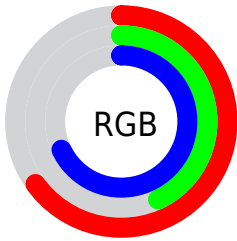
Format	Color
RYB	166, 109, 173
Decimal	10907053
CIELab	54.09, 33.46, -25.07
CIElCh	54, 41.812, 323.154
Yxy	22.0614, 0.3087, 0.2370
Android (android.graphics.Color)	4289097133 (0xFFA66DAD)
YUV	133.3390, 19.5529, 28.6437
Hunter-Lab	46.9696, 27.0084, -20.5030

Details

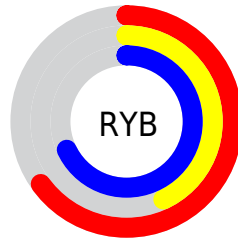
The Yxy color $22.0614, 0.3087, 0.2370$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.7158, 0.3135, 0.4367$, and the grayscale version is $23.5097, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0274, 0.3101, 0.2550$, and $8.0985, 0.3059, 0.2097$ is the 20% darker color. If you saturate the color by 10%, you get $18.5226, 0.3069, 0.2131$, and if you desaturate by 10%, it is $26.3318, 0.3102, 0.2620$.

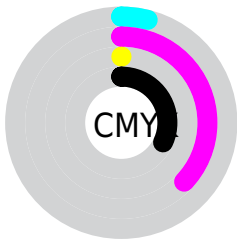
Distribution



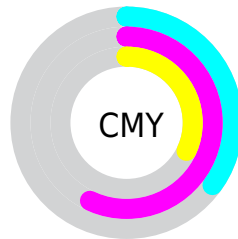
- Red (65%)
- Green (43%)
- Blue (68%)



- Red (65%)
- Yellow (43%)
- Blue (68%)



- Cyan (4%)
- Magenta (37%)
- Yellow (0%)
- Black (32%)




- Cyan (35%)
- Magenta (57%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0614, 0.3087, 0.2370 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 22.0614, 0.3087, 0.2370 by changing the saturation by 10% instead.


 22.0614, 0.3087,
0.2370


 22.0614, 0.3087,
0.2370


262.8668, 0.3122,
0.2850


 13.9020, 0.3072,
0.2245


 46.8475, 0.3104,
0.2549

 8.0526, 0.3049,
0.2082


 64.2429, 0.3109,
0.2614

 4.1286, 0.3009,
0.1862


 85.4859, 0.3113,
0.2670

 1.7458, 0.2936,
0.1552

 110.9607, 0.3116,
0.2717

 0.4530, 0.2820,
0.0971

141.0518, 0.3118,
0.2757

 0.0000, 0.1577,
0.0000

176.1436, 0.3120,

 0.0000, 0.0000,

0.2792

0.0000

216.6204, 0.3121,
0.2823

■ 22.0614, 0.3087,
0.2370

■ 22.0614, 0.3087,
0.2370

■ 18.5226, 0.3069,
0.2131

■ 26.3318, 0.3102,
0.2620

■ 15.6696, 0.3048,
0.1914

■ 31.3702, 0.3114,
0.2874

■ 13.4561, 0.3024,
0.1727


■ 37.2141, 0.3122,
0.3122


■ 11.8288, 0.2998,
0.1578


■ 43.8978, 0.3129,
0.3360

■ 10.7256, 0.2971,
0.1472

■ 51.4533, 0.3133,
0.3585


 10.0562, 0.2943,
0.1407

 59.9113, 0.3135,
0.3794

 9.8871, 0.2935,
0.1390

 69.3008, 0.3136,
0.3985

 79.6494, 0.3136,
0.4160

 84.6183, 0.3142,
0.4230

Harmonies

Analogous

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



22.0614, 0.2418, 0.2170



22.0614, 0.3087, 0.2370



22.0614, 0.3855, 0.2757

Triad

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



22.0614, 0.3087, 0.2370



22.0614, 0.4328, 0.4336



22.0614, 0.1957, 0.3098

Complementary

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



22.0614, 0.3087, 0.2370



34.7158, 0.3135, 0.4367

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.



22.0614, 0.2374, 0.3892



22.0614, 0.3087, 0.2370



22.0614, 0.3740, 0.4654

Square

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



22.0614, 0.3087, 0.2370



22.0614, 0.4610, 0.3818



22.0614, 0.3024, 0.4524



22.0614, 0.1832, 0.2500

Rectangle

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



22.0614, 0.3087, 0.2370



22.0614, 0.4286, 0.3086



22.0614, 0.3024, 0.4524



22.0614, 0.2064, 0.3353

Sweetspot

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



22.0624, 0.3087, 0.2370



62.0606, 0.3119, 0.3019



18.8712, 0.2483, 0.2325



13.1910, 0.3118, 0.2986



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.



22.0624, 0.3087, 0.2370



34.4666, 0.3073, 0.2183



21.9796, 0.3466, 0.2712



8.1027, 0.3121, 0.3065



7.2769, 0.2938, 0.1392



0.2149, 0.3025, 0.1440

Inverse Universe

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



21.0882, 0.3907, 0.3186



32.5397, 0.4159, 0.3165



34.8555, 0.2896, 0.3954



8.0291, 0.3270, 0.3265



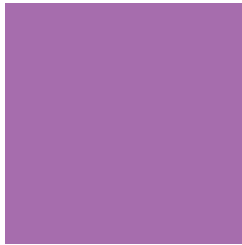
6.5659, 0.6245, 0.3214



0.1871, 0.5698, 0.2912

Previews

White Background



This preview shows how the Yxy color 22.0614, 0.3087, 0.2370 looks on a white background.

Color Contrast Check

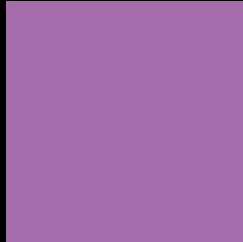
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0614, 0.3087, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

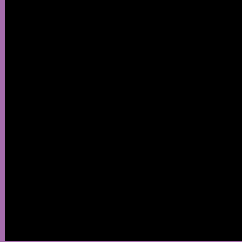
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0614, 0.3087, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 22.0614, 0.3087, 0.2370.



This preview shows how white text looks on a background with the Yxy color 22.0614, 0.3087, 0.2370.

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

22.0614, 0.3087, 0.2370

Protanopia

22.3842, 0.2412, 0.2325

Deuteranopia

22.1460, 0.2644, 0.2576



Tritanopia

21.9890, 0.3542, 0.3132

Trichromacy



Original Color

22.0614, 0.3087, 0.2370

Protanomaly

21.8395, 0.2612, 0.2320

Deuteranomaly

21.6916, 0.2787, 0.2479

Tritanomaly

21.9565, 0.3373, 0.2841

Monochromacy



Original Color

22.0614, 0.3087, 0.2370

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.5732, 0.3110, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0614, 0.3087, 0.2370 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, 109, 173)` looks like.

```
.text, #text, p{  
    color:rgb(166, 109, 173)  
}
```

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, 109, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 109, 173) }
```

Border

The CSS property to change the border of an element to Yxy 22.0614, 0.3087, 0.2370 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, 109, 173) }
```

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

```
.border{ border-color:rgb(166, 109, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 109, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 109, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 109, 173);  
box-shadow:4px 4px 4px 4px rgb(166, 109,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0614, 0.3087, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 109, 173) }
```

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

```
.background{ background-color: rgb(166,  
109, 173) }
```

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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