

Converting Colors

$Y_{xy}(22.4773, 0.3088, 0.2345)$

Have a look what the booklet for
Yxy(22.4773, 0.3088, 0.2345)
contains.

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Color

Yxy(22.5069, 0.3089, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	A96DB0
RGB	169, 109, 176
RGB Percent	66%, 43%, 69%
CMY	0.3374, 0.5724, 0.3098
CMYK	0.04, 0.38, 0.00, 0.31
HSL	294°, 30%, 56%
HSV	294°, 38%, 69%
XYZ	29.6603, 22.5069, 43.8520
YIQ	134.5780, 14.2530, 33.5570

Conversions

Conversions Part 2

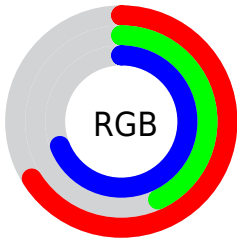
Format	Color
R_{YB}	169, 109, 176
Decimal	11103664
CIE _{Lab}	54.56, 35.00, -26.04
CIE _{LCh}	55, 43.626, 323.351
Yxy	22.5069, 0.3089, 0.2344
Android (android.graphics.Color)	4289293744 (0xFFA96DB0)
YUV	134.5780, 20.4210, 30.1881
Hunter-Lab	47.4414, 28.5755, -21.5950

Details

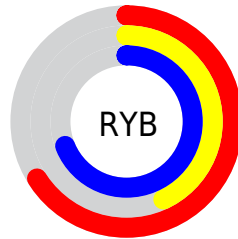
The Yxy color $22.5069, 0.3089, 0.2344$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $35.8702, 0.3131, 0.4405$, and the grayscale version is $23.9842, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.6744, 0.3103, 0.2527$, and $8.2710, 0.3063, 0.2052$ is the 20% darker color. If you saturate the color by 10%, you get $18.9174, 0.3072, 0.2108$, and if you desaturate by 10%, it is $26.8531, 0.3103, 0.2593$.

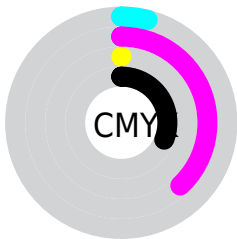
Distribution



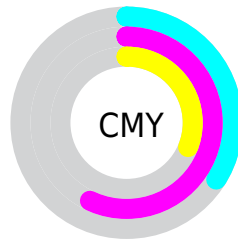
- Red (66%)
- Green (43%)
- Blue (69%)



- Red (66%)
- Yellow (43%)
- Blue (69%)



- Cyan (4%)
- Magenta (38%)
- Yellow (0%)
- Black (31%)





- Cyan (34%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5069, 0.3089, 0.2344 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 22.5069, 0.3089, 0.2344 by changing the saturation by 10% instead.


 22.5069, 0.3089,
0.2344

 22.5069, 0.3089,
0.2344


265.1821, 0.3124,
0.2834


 14.2298, 0.3074,
0.2217


 47.5824, 0.3106,
0.2526


 8.2807, 0.3051,
0.2053


 65.1496, 0.3111,
0.2593

 4.2751, 0.3011,
0.1832


 86.5823, 0.3115,
0.2649

 1.8286, 0.2938,
0.1524

 112.2649, 0.3118,
0.2697

 0.5049, 0.2814,
0.0989

142.5818, 0.3120,
0.2739

 0.0000, 0.1931,
0.0000

177.9173, 0.3121,

 0.0000, 0.0000,

0.2775

0.0000

218.6560, 0.3123,
0.2806

■ 22.5069, 0.3089,
0.2344

■ 22.5069, 0.3089,
0.2344

■ 18.9174, 0.3072,
0.2108

■ 26.8531, 0.3103,
0.2593

■ 16.0365, 0.3052,
0.1894

■ 31.9943, 0.3114,
0.2847

■ 13.8153, 0.3029,
0.1712

■ 37.9701, 0.3122,
0.3096

■ 12.1972, 0.3005,
0.1569


■ 44.8162, 0.3128,
0.3336

■ 11.1164, 0.2979,
0.1469

■ 52.5664, 0.3132,
0.3562


 10.4647, 0.2952,
0.1408

 61.2527, 0.3134,
0.3773

 10.3539, 0.2947,
0.1397

 70.9056, 0.3134,
0.3967

 81.5540, 0.3134,
0.4144

 85.0430, 0.3142,
0.4191

Harmonies

Analogous

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



22.5069, 0.2398, 0.2137



22.5069, 0.3089, 0.2344



22.5069, 0.3886, 0.2742

Triad

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



22.5069, 0.3089, 0.2344



22.5069, 0.4362, 0.4368



22.5069, 0.1918, 0.3082

Complementary

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



22.5069, 0.3089, 0.2344



35.8702, 0.3131, 0.4405

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.



22.5069, 0.2343, 0.3909



22.5069, 0.3089, 0.2344



22.5069, 0.3751, 0.4704

Square

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



22.5069, 0.3089, 0.2344



22.5069, 0.4660, 0.3832



22.5069, 0.3011, 0.4572



22.5069, 0.1793, 0.2468

Rectangle

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



22.5069, 0.3089, 0.2344



22.5069, 0.4332, 0.3080



22.5069, 0.3011, 0.4572



22.5069, 0.2026, 0.3347

Sweetspot

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



22.5079, 0.3089, 0.2344



65.2984, 0.3120, 0.3018



19.0723, 0.2462, 0.2291



13.8372, 0.3119, 0.2986



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.5079, 0.3089, 0.2344



35.0519, 0.3074, 0.2136



22.3847, 0.3479, 0.2694



8.6005, 0.3121, 0.3064



7.6124, 0.2950, 0.1399



0.2524, 0.3027, 0.1441

Inverse Universe

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



21.4346, 0.3945, 0.3188



32.8879, 0.4240, 0.3166



36.0420, 0.2890, 0.3978



8.5193, 0.3271, 0.3266



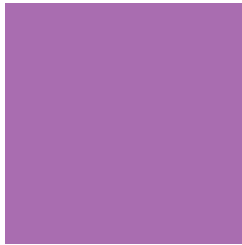
6.8099, 0.6255, 0.3220



0.2190, 0.5756, 0.2945

Previews

White Background



This preview shows how the Yxy color 22.5069, 0.3089, 0.2344 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 22.5069, 0.3089, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

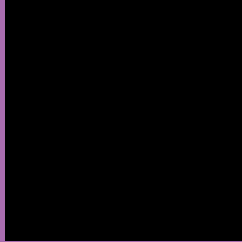
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5069, 0.3089, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 22.5069, 0.3089, 0.2344.



This preview shows how white text looks on a background with the Yxy color 22.5069, 0.3089, 0.2344.

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

22.5069, 0.3089, 0.2344

Protanopia

22.8213, 0.2388, 0.2290

Deuteranopia

22.7440, 0.2631, 0.2581



Tritanopia

22.4335, 0.3564, 0.3149

Trichromacy



Original Color

22.5069, 0.3089, 0.2344

Protanomaly

22.2895, 0.2599, 0.2300

Deuteranomaly

22.3395, 0.2780, 0.2486

Tritanomaly

22.3051, 0.3398, 0.2833

Monochromacy



Original Color

22.5069, 0.3089, 0.2344

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.3268, 0.3111, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5069, 0.3089, 0.2344 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(169, 109, 176)` looks like.

```
.text, #text, p{  
    color:rgb(169, 109, 176)  
}
```

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(169, 109, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 109, 176) }
```

Border

The CSS property to change the border of an element to Yxy 22.5069, 0.3089, 0.2344 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(169, 109, 176) }
```

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

```
.border{ border-color:rgb(169, 109, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 109, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 109, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 109, 176);  
box-shadow:4px 4px 4px 4px rgb(169, 109,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5069, 0.3089, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 109, 176) }
```

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

```
.background{ background-color: rgb(169,  
109, 176) }
```

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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