

Converting Colors

$Y_{xy}(22.1602, 0.3187, 0.2332)$

Have a look what the booklet for
Yxy(22.1602, 0.3187, 0.2332)
contains.

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Color

Yxy(22.2731, 0.3184, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	AF69AE
RGB	175, 105, 174
RGB Percent	69%, 41%, 68%
CMY	0.3137, 0.5882, 0.3176
CMYK	0.00, 0.40, 0.01, 0.31
HSL	301°, 30%, 55%
HSV	301°, 40%, 69%
XYZ	30.3715, 22.2731, 42.7434
YIQ	133.7960, 19.5710, 36.2990

Conversions

Conversions Part 2

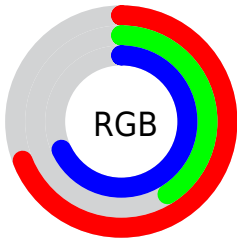
Format	Color
R _Y B	175, 105, 174
Decimal	11495854
CIE Lab	54.32, 38.75, -25.21
CIE LCh	54, 46.226, 326.953
Yxy	22.2731, 0.3184, 0.2335
Android (android.graphics.Color)	4289685934 (0xFFAF69AE)
YUV	133.7960, 19.8206, 36.1359
Hunter-Lab	47.1944, 32.2820, -20.6621

Details

The Yxy color $22.2731, 0.3184, 0.2335$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.7061, 0.3064, 0.4475$, and the grayscale version is $23.6826, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3227, 0.3181, 0.2518$, and $8.1778, 0.3185, 0.2051$ is the 20% darker color. If you saturate the color by 10%, you get $19.0587, 0.3198, 0.2120$, and if you desaturate by 10%, it is $26.2231, 0.3169, 0.2568$.

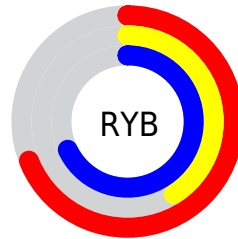
Distribution



Red (69%)

Green (41%)

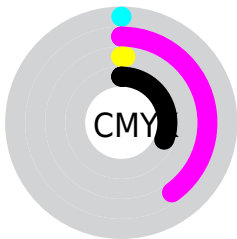
Blue (68%)



Red (69%)

Yellow (41%)

Blue (68%)

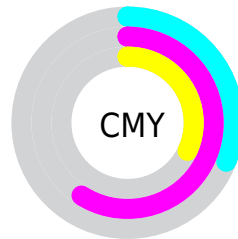


Cyan (0%)

Magenta (40%)

Yellow (1%)

Black (31%)



Cyan (31%)


Magenta (59%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2731, 0.3184, 0.2335 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 22.2731, 0.3184, 0.2335 by changing the saturation by 10% instead.


 22.2731, 0.3184,
0.2335

 22.2731, 0.3184,
0.2335


263.9692, 0.3168,
0.2829

 14.0577, 0.3183,
0.2207


 47.1970, 0.3181,
0.2518


 8.1608, 0.3178,
0.2042


 64.6742, 0.3179,
0.2586

 4.1980, 0.3165,
0.1820


 86.0075, 0.3177,
0.2643

 1.7849, 0.3130,
0.1511

 111.5813, 0.3175,
0.2691

 0.4778, 0.3074,
0.0958

141.7800, 0.3173,
0.2733

 0.0000, 0.2433,
0.0000

176.9879, 0.3171,

 0.0000, 0.0000,

0.2769

0.0000

217.5895, 0.3169,
0.2801

■ 22.2731, 0.3184,
0.2335

■ 22.2731, 0.3184,
0.2335

■ 19.0587, 0.3198,
0.2120

■ 26.2231, 0.3169,
0.2568

■ 16.5315, 0.3211,
0.1933

■ 30.9472, 0.3155,
0.2810

■ 14.6422, 0.3222,
0.1781


■ 36.4846, 0.3141,
0.3053

■ 13.3337, 0.3232,
0.1669

■ 42.8713, 0.3127,
0.3290

■ 12.5385, 0.3239,
0.1599


■ 50.1409, 0.3114,
0.3517

 12.1123, 0.3245,
0.1561

 58.3252, 0.3103,
0.3730

 67.4545, 0.3092,
0.3928

 77.5578, 0.3083,
0.4110

 83.7795, 0.3077,
0.4205

Harmonies

Analogous

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



22.2731, 0.2430, 0.2092



22.2731, 0.3184, 0.2335



22.2731, 0.4028, 0.2770

Triad

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



22.2731, 0.3184, 0.2335



22.2731, 0.4362, 0.4480



22.2731, 0.1820, 0.2968

Complementary

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



22.2731, 0.3184, 0.2335



34.7061, 0.3064, 0.4475

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.



22.2731, 0.2224, 0.3842



22.2731, 0.3184, 0.2335



22.2731, 0.3686, 0.4808

Square

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



22.2731, 0.3184, 0.2335



22.2731, 0.4735, 0.3920



22.2731, 0.2904, 0.4605



22.2731, 0.1730, 0.2362

Rectangle

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



22.2731, 0.3184, 0.2335



22.2731, 0.4477, 0.3130



22.2731, 0.2904, 0.4605



22.2731, 0.1919, 0.3240

Sweetspot

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



22.2741, 0.3184, 0.2335



63.0216, 0.3144, 0.2999



16.2021, 0.2401, 0.2090



13.7188, 0.3146, 0.2969



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.



22.2741, 0.3184, 0.2335



34.7404, 0.3196, 0.2144



21.1116, 0.3613, 0.2777



8.1461, 0.3140, 0.3070



8.6742, 0.3245, 0.1561



0.2419, 0.3233, 0.1555

Inverse Universe

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



22.2741, 0.3184, 0.2335



34.7404, 0.3196, 0.2144



35.5589, 0.2822, 0.3875



8.1461, 0.3140, 0.3070



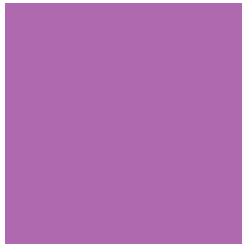
8.6742, 0.3245, 0.1561



0.2419, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 22.2731, 0.3184, 0.2335 looks on a white background.

Color Contrast Check

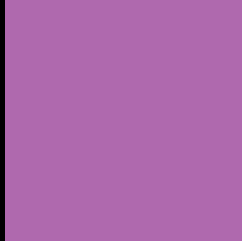
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2731, 0.3184, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

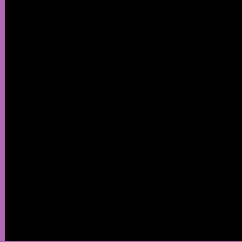
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2731, 0.3184, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 22.2731, 0.3184, 0.2335.



This preview shows how white text looks on a background with the Yxy color 22.2731, 0.3184, 0.2335.

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

22.2731, 0.3184, 0.2335

Protanopia

22.4953, 0.2378, 0.2272

Deuteranopia

22.4782, 0.2655, 0.2595



Tritanopia

22.3810, 0.3716, 0.3169

Trichromacy



Original Color

22.2731, 0.3184, 0.2335

Protanomaly

21.9223, 0.2623, 0.2287

Deuteranomaly

22.0359, 0.2829, 0.2489

Tritanomaly

22.1993, 0.3518, 0.2842

Monochromacy



Original Color

22.2731, 0.3184, 0.2335

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.7254, 0.3147, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2731, 0.3184, 0.2335 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(175, 105, 174)` looks like.

```
.text, #text, p{  
    color:rgb(175, 105, 174)  
}
```

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(175, 105, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 105, 174) }
```

Border

The CSS property to change the border of an element to Yxy 22.2731, 0.3184, 0.2335 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(175, 105, 174) }
```

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

```
.border{ border-color:rgb(175, 105, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 105, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 105, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 105, 174); box-shadow:4px 4px 4px 4px rgb(175, 105, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2731, 0.3184, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 105, 174) }
```

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

```
.background{ background-color: rgb(175,  
105, 174) }
```

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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