

Converting Colors

$Y_{xy}(22.4013, 0.3034, 0.2167)$

Have a look what the booklet for
Yxy(22.4013, 0.3034, 0.2167)
contains.

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Color

Yxy(22.2870, 0.3030, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	AE67BB
RGB	174, 103, 187
RGB Percent	68%, 40%, 73%
CMY	0.3176, 0.5961, 0.2667
CMYK	0.07, 0.45, 0.00, 0.27
HSL	291°, 38%, 57%
HSV	291°, 45%, 73%
XYZ	31.2782, 22.2870, 49.6632
YIQ	133.8050, 15.3520, 41.1760

Conversions

Conversions Part 2

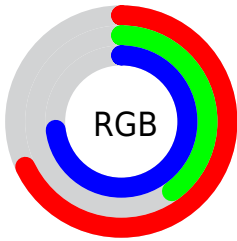
Format	Color
RYB	174, 103, 187
Decimal	11429819
CIELab	54.33, 42.05, -32.69
CIELCh	54, 53.267, 322.137
Yxy	22.2870, 0.3030, 0.2159
Android (android.graphics.Color)	4289619899 (0xFFAE67BB)
YUV	133.8050, 26.2251, 35.2510
Hunter-Lab	47.2091, 35.6485, -29.3257

Details

The Yxy color **22.2870, 0.3030, 0.2159** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.2278, 0.3159, 0.4635**, and the grayscale version is **23.6631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2369, 0.3067, 0.2374**, and **8.1425, 0.2974, 0.1833** is the 20% darker color. If you saturate the color by 10%, you get **18.6470, 0.2997, 0.1928**, and if you desaturate by 10%, it is **26.7678, 0.3059, 0.2408**.

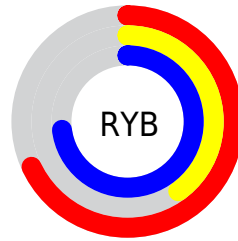
Distribution



Red (68%)

Green (40%)

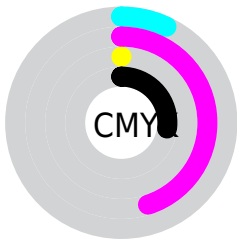
Blue (73%)



Red (68%)

Yellow (40%)

Blue (73%)

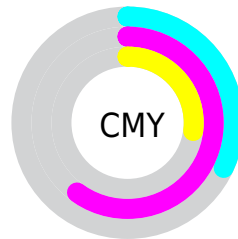


Cyan (7%)

Magenta (45%)

Yellow (0%)

Black (27%)



Cyan (32%)


Magenta (60%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2870, 0.3030, 0.2159 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 22.2870, 0.3030, 0.2159 by changing the saturation by 10% instead.


 22.2870, 0.3030,
0.2159


 22.2870, 0.3030,
0.2159


264.0414, 0.3103,
0.2734


 14.0679, 0.3003,
0.2015


 47.2199, 0.3063,
0.2369


 8.1679, 0.2963,
0.1832


 64.7025, 0.3073,
0.2447

 4.2026, 0.2899,
0.1592


 86.0418, 0.3081,
0.2514

 1.7875, 0.2789,
0.1271

 111.6220, 0.3087,
0.2571

 0.4794, 0.2604,
0.0753

141.8278, 0.3092,
0.2620

 0.0000, 0.1969,
0.0000

177.0433, 0.3096,

 0.0000, 0.0000,

0.2663

0.0000

217.6530, 0.3100,
0.2701

■ 22.2870, 0.3030,
0.2159

■ 22.2870, 0.3030,
0.2159

■ 18.6470, 0.2997,
0.1928

■ 26.7678, 0.3059,
0.2408

■ 15.7887, 0.2961,
0.1725

■ 32.1376, 0.3084,
0.2665

■ 13.6501, 0.2922,
0.1560

■ 38.4441, 0.3104,
0.2922

■ 12.1582, 0.2882,
0.1437

■ 45.7309, 0.3120,
0.3172

■ 11.2244, 0.2842,
0.1358

■ 54.0390, 0.3133,
0.3409

■ 10.8685, 0.2821,
0.1328

■ 63.4067, 0.3143,
0.3630

■ 73.8707, 0.3150,
0.3835

■ 85.4656, 0.3155,
0.4023

■ 87.3885, 0.3171,
0.4042

Harmonies

Analogous

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



22.2870, 0.2222, 0.1929



22.2870, 0.3030, 0.2159



22.2870, 0.4011, 0.2607

Triad

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



22.2870, 0.3030, 0.2159



22.2870, 0.4604, 0.4511



22.2870, 0.1700, 0.3047

Complementary

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



22.2870, 0.3030, 0.2159



40.2278, 0.3159, 0.4635

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.



22.2870, 0.2195, 0.4099



22.2870, 0.3030, 0.2159



22.2870, 0.3867, 0.4997

Square

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



22.2870, 0.3030, 0.2159



22.2870, 0.4979, 0.3852



22.2870, 0.2989, 0.4923



22.2870, 0.1557, 0.2307

Rectangle

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



22.2870, 0.3030, 0.2159



22.2870, 0.4574, 0.2991



22.2870, 0.2989, 0.4923



22.2870, 0.1825, 0.3379

Sweetspot

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



22.2880, 0.3030, 0.2159



70.9651, 0.3107, 0.2966



19.1919, 0.2332, 0.2139



15.0276, 0.3103, 0.2909



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.2880, 0.3030, 0.2159



33.4271, 0.2997, 0.1929



22.7662, 0.3515, 0.2533



9.6196, 0.3114, 0.3062



7.5145, 0.2826, 0.1331



0.3148, 0.2924, 0.1384

Inverse Universe

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



21.5234, 0.4118, 0.3111



32.0416, 0.4476, 0.3080



40.0597, 0.2882, 0.4205



9.5598, 0.3265, 0.3255



7.3469, 0.6162, 0.3168



0.2955, 0.5585, 0.2850

Previews

White Background



This preview shows how the Yxy color 22.2870, 0.3030, 0.2159 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 22.2870, 0.3030, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

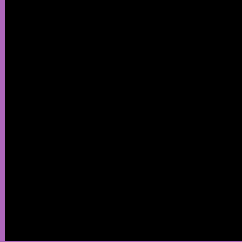
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2870, 0.3030, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 22.2870, 0.3030, 0.2159.



This preview shows how white text looks on a background with the Yxy color 22.2870, 0.3030, 0.2159.

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

22.2870, 0.3030, 0.2159

Protanopia

22.7017, 0.2218, 0.2067

Deuteranopia

22.5227, 0.2473, 0.2425



Tritanopia

22.3359, 0.3648, 0.3151

Trichromacy



Original Color

22.2870, 0.3030, 0.2159

Protanomaly

21.8758, 0.2451, 0.2080

Deuteranomaly

22.0445, 0.2651, 0.2304

Tritanomaly

22.1615, 0.3416, 0.2753

Monochromacy



Original Color

22.2870, 0.3030, 0.2159

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8554, 0.3103, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2870, 0.3030, 0.2159 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(174, 103, 187)` looks like.

```
.text, #text, p{  
    color:rgb(174, 103, 187)  
}
```

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(174, 103, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 103, 187) }
```

Border

The CSS property to change the border of an element to Yxy 22.2870, 0.3030, 0.2159 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(174, 103, 187) }
```

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

```
.border{ border-color:rgb(174, 103, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 103, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 103, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 103, 187);  
box-shadow:4px 4px 4px 4px rgb(174, 103,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2870, 0.3030, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 103, 187) }
```

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

```
.background{ background-color: rgb(174,  
103, 187) }
```

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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