

Converting Colors

$Y_{xy}(23.1303, 0.3246, 0.2182)$

Have a look what the booklet for
Yxy(23.1303, 0.3246, 0.2182)
contains.

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Color

Yxy(22.9993, 0.3239, 0.2174)

Conversions

Conversions Part 1

Format	Color
Hex	BE61B9
RGB	190, 97, 185
RGB Percent	75%, 38%, 73%
CMY	0.2549, 0.6196, 0.2745
CMYK	0.00, 0.49, 0.03, 0.25
HSL	303°, 42%, 56%
HSV	303°, 49%, 75%
XYZ	34.2662, 22.9993, 48.5270
YIQ	134.8390, 27.1800, 47.0840

Conversions

Conversions Part 2

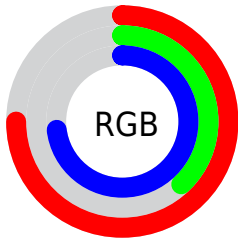
Format	Color
R_{YB}	190, 97, 185
Decimal	12476857
CIE _{Lab}	55.07, 49.52, -30.23
CIE _{LCh}	55, 58.017, 328.594
Yxy	22.9993, 0.3239, 0.2174
Android (android.graphics.Color)	4290666937 (0xFFBE61B9)
YUV	134.8390, 24.7294, 48.3762
Hunter-Lab	47.9576, 43.6144, -26.4237

Details

The Yxy color **22.9993, 0.3239, 0.2174** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.3291, 0.3026, 0.4740**, and the grayscale version is **24.0658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4405, 0.3231, 0.2384**, and **8.5356, 0.3230, 0.1851** is the 20% darker color. If you saturate the color by 10%, you get **19.8564, 0.3264, 0.1987**, and if you desaturate by 10%, it is **26.9855, 0.3214, 0.2386**.

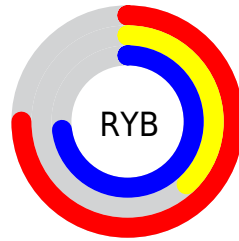
Distribution



Red (75%)

Green (38%)

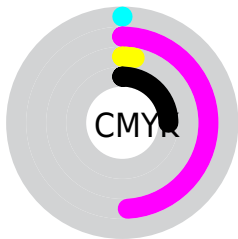
Blue (73%)



Red (75%)

Yellow (38%)

Blue (73%)

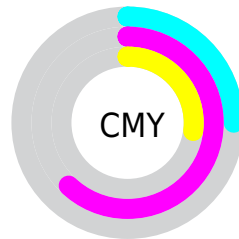


Cyan (0%)

Magenta (49%)

Yellow (3%)

Black (25%)



Cyan (25%)


Magenta (62%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9993, 0.3239, 0.2174 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 22.9993, 0.3239, 0.2174 by changing the saturation by 10% instead.


 22.9993, 0.3239,
0.2174


 22.9993, 0.3239,
0.2174


267.7214, 0.3199,
0.2737


 14.5930, 0.3243,
0.2034


 48.3922, 0.3229,
0.2379

 8.5342, 0.3243,
0.1857


 66.1475, 0.3224,
0.2456

 4.4387, 0.3236,
0.1625


 87.7880, 0.3219,
0.2521

 1.9218, 0.3209,
0.1314

 113.6981, 0.3214,
0.2576

 0.5615, 0.3148,
0.0841

144.2620, 0.3210,
0.2625

 0.0000, 0.2971,
0.0000

179.8643, 0.3206,

 0.0000, 0.0000,

0.2667

0.0000

220.8893, 0.3202,
0.2704

■ 22.9993, 0.3239,
0.2174

■ 22.9993, 0.3239,
0.2174

■ 19.8564, 0.3264,
0.1987

■ 26.9855, 0.3214,
0.2386

■ 17.4925, 0.3288,
0.1835

■ 31.8667, 0.3190,
0.2615

■ 15.8395, 0.3310,
0.1723


■ 37.6944, 0.3166,
0.2850


■ 14.8159, 0.3330,
0.1654


■ 44.5151, 0.3145,
0.3085


■ 14.2810, 0.3347,
0.1621

■ 52.3723, 0.3125,
0.3314

 14.2331, 0.3349,
0.1619

 61.3071, 0.3107,
0.3531

 71.3580, 0.3092,
0.3735

 82.5619, 0.3078,
0.3924

 86.3717, 0.3070,
0.3972

Harmonies

Analogous

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



22.9993, 0.2317, 0.1879



22.9993, 0.3239, 0.2174



22.9993, 0.4291, 0.2684

Triad

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



22.9993, 0.3239, 0.2174



22.9993, 0.4540, 0.4711



22.9993, 0.1547, 0.2809

Complementary

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



22.9993, 0.3239, 0.2174



40.3291, 0.3026, 0.4740

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.



22.9993, 0.1980, 0.3910



22.9993, 0.3239, 0.2174



22.9993, 0.3700, 0.5176

Square

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



22.9993, 0.3239, 0.2174



22.9993, 0.5061, 0.4015



22.9993, 0.2765, 0.4937



22.9993, 0.1478, 0.2123

Rectangle

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



22.9993, 0.3239, 0.2174



22.9993, 0.4835, 0.3100



22.9993, 0.2765, 0.4937



22.9993, 0.1648, 0.3140

Sweetspot

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



23.0003, 0.3239, 0.2174



72.6674, 0.3158, 0.2938



15.0730, 0.2244, 0.1779



15.3980, 0.3163, 0.2887



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



23.0003, 0.3239, 0.2174



35.4865, 0.3266, 0.1970



21.3578, 0.3846, 0.2723



9.6872, 0.3146, 0.3076



9.4678, 0.3347, 0.1618



0.3736, 0.3311, 0.1598

Inverse Universe

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



23.0003, 0.3239, 0.2174



35.4865, 0.3266, 0.1970



41.5125, 0.2739, 0.3961



9.6872, 0.3146, 0.3076



9.4678, 0.3347, 0.1618



0.3736, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 22.9993, 0.3239, 0.2174 looks on a white background.

Color Contrast Check

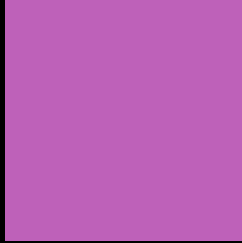
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9993, 0.3239, 0.2174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

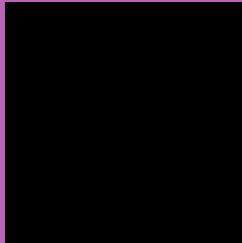
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9993, 0.3239, 0.2174

Background



This preview shows how black text looks on a background with the Yxy color 22.9993, 0.3239, 0.2174.



This preview shows how white text looks on a background with the Yxy color 22.9993, 0.3239, 0.2174.

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

22.9993, 0.3239, 0.2174

Protanopia

23.4854, 0.2209, 0.2056

Deuteranopia

23.1419, 0.2559, 0.2496



Tritanopia

22.9139, 0.3938, 0.3162

Trichromacy



Original Color

22.9993, 0.3239, 0.2174

Protanomaly

22.2077, 0.2488, 0.2061

Deuteranomaly

22.3128, 0.2776, 0.2338

Tritanomaly

22.8433, 0.3680, 0.2774

Monochromacy



Original Color

22.9993, 0.3239, 0.2174

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

22.9432, 0.3174, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9993, 0.3239, 0.2174 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(190, 97, 185)` looks like.

```
.text, #text, p{  
    color:rgb(190, 97, 185)  
}
```

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(190, 97, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 97, 185) }
```

Border

The CSS property to change the border of an element to Yxy 22.9993, 0.3239, 0.2174 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(190, 97, 185) }
```

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

```
.border{ border-color:rgb(190, 97, 185) }
```

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

Here you see how a box with a 4 pixel rgb(190, 97, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 97, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 97, 185);  
box-shadow:4px 4px 4px 4px rgb(190, 97,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9993, 0.3239, 0.2174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 97, 185) }
```

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

```
.background{ background-color: rgb(190, 97,  
185) }
```

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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