

Converting Colors

$Y_{xy}(23.9124, 0.3181, 0.2176)$

Have a look what the booklet for
Yxy(23.9124, 0.3181, 0.2176)
contains.

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Color

Yxy(23.8003, 0.3180, 0.2173)

Conversions

Conversions Part 1

Format	Color
Hex	BD65BD
RGB	189, 101, 189
RGB Percent	74%, 40%, 74%
CMY	0.2587, 0.6040, 0.2589
CMYK	0.00, 0.47, 0.00, 0.26
HSL	300°, 40%, 57%
HSV	300°, 47%, 74%
XYZ	34.8297, 23.8003, 50.8974
YIQ	137.3440, 24.2000, 46.0240

Conversions

Conversions Part 2

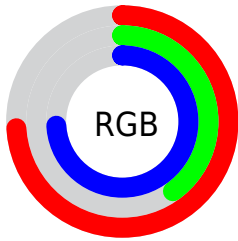
Format	Color
R _Y B	189, 101, 189
Decimal	12412349
CIE Lab	55.89, 47.94, -31.27
CIE LCh	56, 57.240, 326.882
Yxy	23.8003, 0.3180, 0.2173
Android (android.graphics.Color)	4290602429 (0xFFBD65BD)
YUV	137.3440, 25.4664, 45.3023
Hunter-Lab	48.7856, 42.0627, -27.7067

Details

The Yxy color **23.8003, 0.3180, 0.2173** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.1140, 0.3059, 0.4734**, and the grayscale version is **25.0480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8707, 0.3179, 0.2376**, and **9.0142, 0.3177, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **20.5434, 0.3189, 0.1974**, and if you desaturate by 10%, it is **27.9034, 0.3169, 0.2398**.

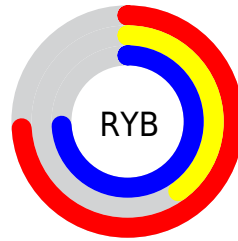
Distribution



Red (74%)

Green (40%)

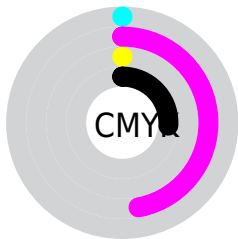
Blue (74%)



Red (74%)

Yellow (40%)

Blue (74%)

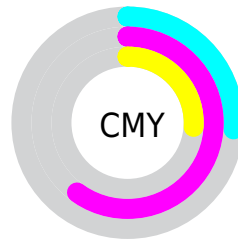


Cyan (0%)

Magenta (47%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (60%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8003, 0.3180, 0.2173 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 23.8003, 0.3180, 0.2173 by changing the saturation by 10% instead.


 23.8003, 0.3180,
0.2173


 23.8003, 0.3180,
0.2173


271.8093, 0.3172,
0.2734

 15.1855, 0.3175,
0.2035


 49.7041, 0.3182,
0.2376


 8.9497, 0.3165,
0.1859


 67.7620, 0.3181,
0.2453

 4.7084, 0.3142,
0.1631


 89.7363, 0.3180,
0.2518

 2.0772, 0.3095,
0.1327

 116.0116, 0.3178,
0.2573

 0.6518, 0.2994,
0.0891

146.9721, 0.3177,
0.2622

 0.0000, 0.2809,
0.0000

183.0023, 0.3175,

 0.0000, 0.0000,

0.2664

0.0000

224.4866, 0.3174,
0.2701

■ 23.8003, 0.3180,
0.2173

■ 23.8003, 0.3180,
0.2173

■ 20.5434, 0.3189,
0.1974

■ 27.9034, 0.3169,
0.2398

■ 18.0709, 0.3197,
0.1808

■ 32.9026, 0.3158,
0.2638

■ 16.3175, 0.3203,
0.1682

■ 38.8478, 0.3146,
0.2886


■ 15.2064, 0.3208,
0.1598


■ 45.7841, 0.3135,
0.3132

■ 14.6351, 0.3210,
0.1553


■ 53.7539, 0.3123,
0.3371

 14.4945, 0.3210,
0.1542

 62.7971, 0.3113,
0.3598

 72.9515, 0.3103,
0.3810

 84.2529, 0.3093,
0.4006

 86.0195, 0.3092,
0.4033

Harmonies

Analogous

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



23.8003, 0.2293, 0.1896



23.8003, 0.3180, 0.2173



23.8003, 0.4209, 0.2665

Triad

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



23.8003, 0.3180, 0.2173



23.8003, 0.4556, 0.4652



23.8003, 0.1593, 0.2876

Complementary

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



23.8003, 0.3180, 0.2173



40.1140, 0.3059, 0.4734

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.



23.8003, 0.2042, 0.3961



23.8003, 0.3180, 0.2173



23.8003, 0.3746, 0.5120

Square

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



23.8003, 0.3180, 0.2173



23.8003, 0.5034, 0.3969



23.8003, 0.2829, 0.4928



23.8003, 0.1503, 0.2176

Rectangle

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



23.8003, 0.3180, 0.2173



23.8003, 0.4757, 0.3071



23.8003, 0.2829, 0.4928



23.8003, 0.1700, 0.3207

Sweetspot

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



23.8014, 0.3180, 0.2173



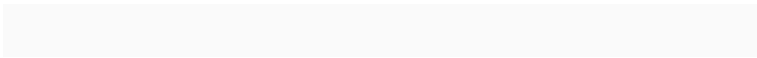
72.3103, 0.3144, 0.2944



15.7464, 0.2256, 0.1849



15.0044, 0.3146, 0.2890



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.



23.8014, 0.3180, 0.2173



36.6178, 0.3190, 0.1968



22.1722, 0.3734, 0.2691



9.6962, 0.3138, 0.3064



9.7490, 0.3210, 0.1542



0.3819, 0.3210, 0.1542

Inverse Universe

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



23.8014, 0.3180, 0.2173



36.6178, 0.3190, 0.1968



41.2185, 0.2781, 0.3997



9.6962, 0.3138, 0.3064



9.7490, 0.3210, 0.1542



0.3819, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.8003, 0.3180, 0.2173 looks on a white background.

Color Contrast Check

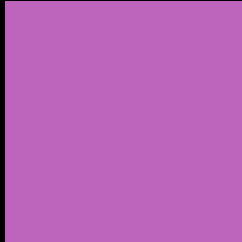
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8003, 0.3180, 0.2173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

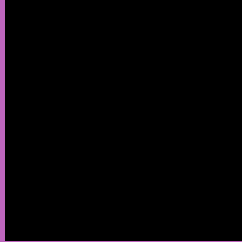
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8003, 0.3180, 0.2173

Background



This preview shows how black text looks on a background with the Yxy color 23.8003, 0.3180, 0.2173.



This preview shows how white text looks on a background with the Yxy color 23.8003, 0.3180, 0.2173.

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

23.8003, 0.3180, 0.2173

Protanopia

24.2411, 0.2218, 0.2069

Deuteranopia

24.1159, 0.2535, 0.2491



Tritanopia

23.7952, 0.3853, 0.3162

Trichromacy



Original Color

23.8003, 0.3180, 0.2173

Protanomaly

23.1509, 0.2481, 0.2074

Deuteranomaly

23.1068, 0.2733, 0.2331

Tritanomaly

23.6973, 0.3604, 0.2773

Monochromacy



Original Color

23.8003, 0.3180, 0.2173

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.8835, 0.3150, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8003, 0.3180, 0.2173 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(189, 101, 189)` looks like.

```
.text, #text, p{  
    color:rgb(189, 101, 189)  
}
```

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(189, 101, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 101, 189) }
```

Border

The CSS property to change the border of an element to Yxy 23.8003, 0.3180, 0.2173 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(189, 101, 189) }
```

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

```
.border{ border-color:rgb(189, 101, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 101, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 101, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 101, 189);  
box-shadow:4px 4px 4px 4px rgb(189, 101,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8003, 0.3180, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 101, 189) }
```

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

```
.background{ background-color: rgb(189,  
101, 189) }
```

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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