

Converting Colors

$Y_{xy}(23.6966, 0.3095, 0.2200)$

Have a look what the booklet for
Yxy(23.6966, 0.3095, 0.2200)
contains.

Yxy(23.6010, 0.3087, 0.2189)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6010, 0.3087, 0.2189)

Conversions

Conversions Part 1

Format	Color
Hex	B569BD
RGB	181, 105, 189
RGB Percent	71%, 41%, 74%
CMY	0.2904, 0.5881, 0.2589
CMYK	0.04, 0.44, 0.00, 0.26
HSL	294°, 39%, 58%
HSV	294°, 44%, 74%
XYZ	33.2829, 23.6010, 50.9324
YIQ	137.3000, 18.3320, 42.2360

Conversions

Conversions Part 2

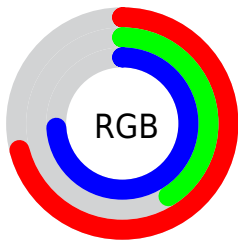
Format	Color
RYB	181, 105, 189
Decimal	11889085
CIELab	55.69, 43.43, -31.66
CIELCh	56, 53.744, 323.912
Yxy	23.6010, 0.3087, 0.2189
Android (android.graphics.Color)	4290079165 (0xFFB569BD)
YUV	137.3000, 25.4881, 38.3249
Hunter-Lab	48.5809, 37.2744, -28.1534

Details

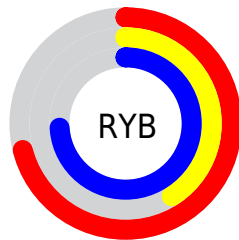
The Yxy color **23.6010, 0.3087, 0.2189** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.9210, 0.3121, 0.4634**, and the grayscale version is **25.0339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2847, 0.3102, 0.2384**, and **8.8232, 0.3042, 0.1878** is the 20% darker color. If you saturate the color by 10%, you get **19.9523, 0.3070, 0.1967**, and if you desaturate by 10%, it is **28.1100, 0.3101, 0.2431**.

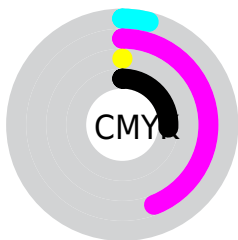
Distribution



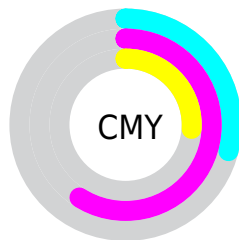
- Red (71%)
- Green (41%)
- Blue (74%)



- Red (71%)
- Yellow (41%)
- Blue (74%)



- Cyan (4%)
- Magenta (44%)
- Yellow (0%)
- Black (26%)





- Cyan (29%)
- Magenta (59%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6010, 0.3087, 0.2189 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 23.6010, 0.3087, 0.2189 by changing the saturation by 10% instead.


 23.6010, 0.3087,
0.2189


 23.6010, 0.3087,
0.2189


270.7970, 0.3128,
0.2745


 15.0379, 0.3069,
0.2051


 49.3783, 0.3107,
0.2391

 8.8460, 0.3042,
0.1875


 67.3613, 0.3113,
0.2467

 4.6409, 0.2996,
0.1646


 89.2531, 0.3118,
0.2531

 2.0381, 0.2915,
0.1339

 115.4380, 0.3121,
0.2586

 0.6295, 0.2763,
0.0892

146.3004, 0.3123,
0.2634

 0.0000, 0.2427,
0.0000

182.2248, 0.3125,

 0.0000, 0.0000,

0.2676

0.0000

223.5956, 0.3127,
0.2712

■ 23.6010, 0.3087,
0.2189

■ 23.6010, 0.3087,
0.2189

■ 19.9523, 0.3070,
0.1967

■ 28.1100, 0.3101,
0.2431

■ 17.1036, 0.3051,
0.1774

■ 33.5282, 0.3112,
0.2683

■ 14.9914, 0.3030,
0.1619


■ 39.9046, 0.3120,
0.2936


■ 13.5416, 0.3007,
0.1506

■ 47.2838, 0.3125,
0.3184


■ 12.6644, 0.2983,
0.1437


■ 55.7074, 0.3129,
0.3420

 12.3217, 0.2969,
0.1409

 65.2150, 0.3131,
0.3643

 75.8437, 0.3131,
0.3849

 86.8492, 0.3131,
0.4026

 87.0919, 0.3142,
0.4023

Harmonies

Analogous

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



23.6010, 0.2269, 0.1946



23.6010, 0.3087, 0.2189



23.6010, 0.4057, 0.2645

Triad

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



23.6010, 0.3087, 0.2189



23.6010, 0.4557, 0.4539



23.6010, 0.1694, 0.2996

Complementary

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



23.6010, 0.3087, 0.2189



40.9210, 0.3121, 0.4634

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.



23.6010, 0.2166, 0.4028



23.6010, 0.3087, 0.2189



23.6010, 0.3814, 0.4996

Square

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



23.6010, 0.3087, 0.2189



23.6010, 0.4954, 0.3890



23.6010, 0.2941, 0.4874



23.6010, 0.1571, 0.2286

Rectangle

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



23.6010, 0.3087, 0.2189



23.6010, 0.4600, 0.3031



23.6010, 0.2941, 0.4874



23.6010, 0.1811, 0.3319

Sweetspot

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



23.6020, 0.3087, 0.2189



72.9913, 0.3120, 0.2967



18.5851, 0.2325, 0.2061



15.1100, 0.3119, 0.2911



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.



23.6020, 0.3087, 0.2189



36.0774, 0.3071, 0.1979



23.3066, 0.3582, 0.2610



9.6487, 0.3123, 0.3063



8.3108, 0.2973, 0.1411



0.3392, 0.3033, 0.1444

Inverse Universe

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



22.1201, 0.4174, 0.3182



33.1950, 0.4536, 0.3164



41.2439, 0.2848, 0.4099



9.5508, 0.3274, 0.3268



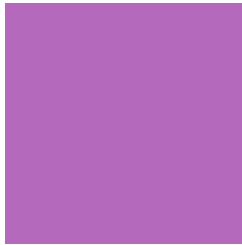
7.3141, 0.6275, 0.3231



0.2915, 0.5862, 0.3003

Previews

White Background



This preview shows how the Yxy color 23.6010, 0.3087, 0.2189 looks on a white background.

Color Contrast Check

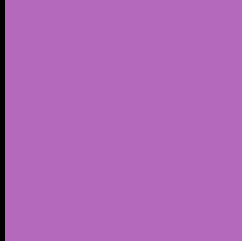
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6010, 0.3087, 0.2189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

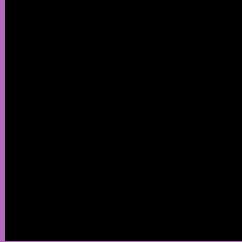
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6010, 0.3087, 0.2189

Background



This preview shows how black text looks on a background with the Yxy color 23.6010, 0.3087, 0.2189.



This preview shows how white text looks on a background with the Yxy color 23.6010, 0.3087, 0.2189.

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

23.6010, 0.3087, 0.2189

Protanopia

23.8788, 0.2237, 0.2088

Deuteranopia

23.8148, 0.2517, 0.2459



Tritanopia

23.6364, 0.3703, 0.3156

Trichromacy



Original Color

23.6010, 0.3087, 0.2189

Protanomaly

23.1364, 0.2479, 0.2105

Deuteranomaly

23.1270, 0.2696, 0.2326

Tritanomaly

23.4667, 0.3473, 0.2770

Monochromacy



Original Color

23.6010, 0.3087, 0.2189

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.8398, 0.3115, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6010, 0.3087, 0.2189 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(181, 105, 189)` looks like.

```
.text, #text, p{  
    color:rgb(181, 105, 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(181, 105, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 105, 189) }
```

Border

The CSS property to change the border of an element to Yxy 23.6010, 0.3087, 0.2189 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(181, 105, 189) }
```

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

```
.border{ border-color:rgb(181, 105, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 105, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 105, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 105, 189);  
box-shadow:4px 4px 4px 4px rgb(181, 105,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6010, 0.3087, 0.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 105, 189) }
```

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

```
.background{ background-color: rgb(181,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor