

Converting Colors

$Y_{xy}(23.4938, 0.3750, 0.2676)$

Have a look what the booklet for
Yxy(23.4938, 0.3750, 0.2676)
contains.

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Color

Yxy(23.6062, 0.3759, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	C46795
RGB	196, 103, 149
RGB Percent	77%, 40%, 58%
CMY	0.2314, 0.5960, 0.4157
CMYK	0.00, 0.47, 0.24, 0.23
HSL	330°, 44%, 59%
HSV	330°, 47%, 77%
XYZ	33.0364, 23.6062, 31.2435
YIQ	136.0510, 40.6620, 34.0220

Conversions

Conversions Part 2

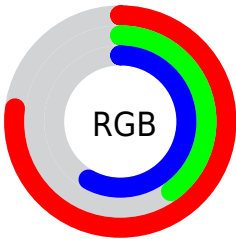
Format	Color
R _Y B	196, 103, 149
Decimal	12871573
CIE Lab	55.69, 42.54, -8.31
CIE LCh	56, 43.340, 348.946
Yxy	23.6062, 0.3759, 0.2686
Android (android.graphics.Color)	4291061653 (0xFFC46795)
YUV	136.0510, 6.3839, 52.5753
Hunter-Lab	48.5862, 36.3459, -4.1163

Details

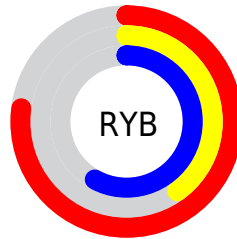
The Yxy color **23.6062, 0.3759, 0.2686** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.5606, 0.2772, 0.4006**, and the grayscale version is **24.6062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1596, 0.3624, 0.2804**, and **8.8249, 0.3997, 0.2483** is the 20% darker color. If you saturate the color by 10%, you get **19.8511, 0.3964, 0.2575**, and if you desaturate by 10%, it is **28.3043, 0.3581, 0.2812**.

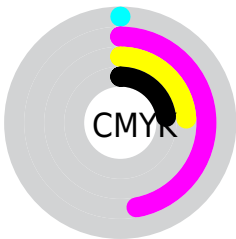
Distribution



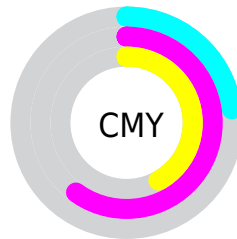
- Red (77%)
- Green (40%)
- Blue (58%)



- Red (77%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (47%)
- Yellow (24%)
- Black (23%)





- Cyan (23%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6062, 0.3759, 0.2686 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 23.6062, 0.3759, 0.2686 by changing the saturation by 10% instead.


 23.6062, 0.3759,
0.2686


 23.6062, 0.3759,
0.2686


270.8235, 0.3415,
0.3008


 15.0418, 0.3855,
0.2599


 49.3868, 0.3627,
0.2808

 8.8487, 0.3985,
0.2483


 67.3718, 0.3579,
0.2852

 4.6426, 0.4172,
0.2320


 89.2657, 0.3540,
0.2889

 2.0391, 0.4458,
0.2080

 115.4529, 0.3507,
0.2920

 0.6301, 0.4980,
0.1639

146.3180, 0.3479,
0.2947

 0.0000, 0.9047,
0.0000

182.2451, 0.3455,

 0.0000, 0.0000,

0.2970

0.0000

223.6188, 0.3434,
0.2990

■ 23.6062, 0.3759,
0.2686

■ 23.6062, 0.3759,
0.2686

■ 19.8511, 0.3964,
0.2575

■ 28.3043, 0.3581,
0.2812

■ 16.9700, 0.4192,
0.2491

■ 34.0010, 0.3429,
0.2943

■ 14.8901, 0.4437,
0.2445


■ 40.7517, 0.3301,
0.3074


■ 13.5249, 0.4687,
0.2449


■ 48.6069, 0.3194,
0.3201


■ 12.7524, 0.4929,
0.2505

■ 57.6135, 0.3106,
0.3320

 12.5952, 0.4991,
0.2523

 67.8159, 0.3033,
0.3431

 79.2561, 0.2973,
0.3534

 88.8691, 0.2922,
0.3579

 89.4361, 0.2870,
0.3469

Harmonies

Analogous

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



23.6062, 0.2980, 0.2319



23.6062, 0.3759, 0.2686



23.6062, 0.4400, 0.3186

Triad

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



23.6062, 0.3759, 0.2686



23.6062, 0.3841, 0.4648



23.6062, 0.1818, 0.2556

Complementary

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



23.6062, 0.3759, 0.2686



44.5606, 0.2772, 0.4006

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.



23.6062, 0.1985, 0.3200



23.6062, 0.3759, 0.2686



23.6062, 0.3123, 0.4595

Square

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



23.6062, 0.3759, 0.2686



23.6062, 0.4405, 0.4280



23.6062, 0.2445, 0.4011



23.6062, 0.1938, 0.2212

Rectangle

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



23.6062, 0.3759, 0.2686



23.6062, 0.4610, 0.3555



23.6062, 0.2445, 0.4011



23.6062, 0.1841, 0.2739

Sweetspot

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



23.6073, 0.3759, 0.2686



78.1914, 0.3264, 0.3115



20.1257, 0.2674, 0.1971



16.0962, 0.3289, 0.3087



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.6073, 0.3759, 0.2686



35.6941, 0.3974, 0.2571



22.4174, 0.4417, 0.3294



10.1591, 0.3213, 0.3177



8.1116, 0.4960, 0.2506



0.3644, 0.4468, 0.2235

Inverse Universe

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



23.6073, 0.3759, 0.2686



35.6941, 0.3974, 0.2571



46.3429, 0.2504, 0.3288



10.1591, 0.3213, 0.3177



8.1116, 0.4960, 0.2506



0.3644, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 23.6062, 0.3759, 0.2686 looks on a white background.

Color Contrast Check

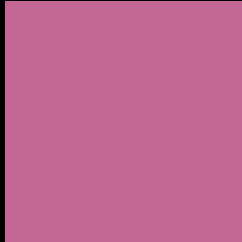
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6062, 0.3759, 0.2686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

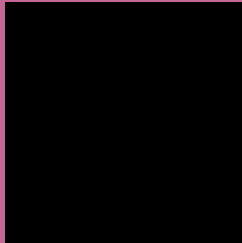
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6062, 0.3759, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 23.6062, 0.3759, 0.2686.



This preview shows how white text looks on a background with the Yxy color 23.6062, 0.3759, 0.2686.

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

23.6062, 0.3759, 0.2686

Protanopia

23.9996, 0.2700, 0.2699

Deuteranopia

23.7297, 0.3115, 0.3058



Tritanopia

23.5591, 0.4145, 0.3184

Trichromacy



Original Color

23.6062, 0.3759, 0.2686

Protanomaly

23.1070, 0.3030, 0.2668

Deuteranomaly

23.1896, 0.3340, 0.2890

Tritanomaly

23.5697, 0.3999, 0.2995

Monochromacy



Original Color

23.6062, 0.3759, 0.2686

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.6075, 0.3344, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6062, 0.3759, 0.2686 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(196, 103, 149)` looks like.

```
.text, #text, p{  
    color:rgb(196, 103, 149)  
}
```

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(196, 103, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 103, 149) }
```

Border

The CSS property to change the border of an element to Yxy 23.6062, 0.3759, 0.2686 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(196, 103, 149) }
```

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

```
.border{ border-color:rgb(196, 103, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 103, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 103, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 103, 149);  
box-shadow:4px 4px 4px 4px rgb(196, 103,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6062, 0.3759, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 103, 149) }
```

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

```
.background{ background-color: rgb(196,  
103, 149) }
```

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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