

Converting Colors

$Y_{xy}(23.4636, 0.3498, 0.2371)$

Have a look what the booklet for
Yxy(23.4636, 0.3498, 0.2371)
contains.

Yxy(23.5080, 0.3504, 0.2377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.5080, 0.3504, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	C562AA
RGB	197, 98, 170
RGB Percent	77%, 38%, 67%
CMY	0.2273, 0.6157, 0.3334
CMYK	0.00, 0.50, 0.14, 0.23
HSL	316°, 46%, 58%
HSV	316°, 50%, 77%
XYZ	34.6538, 23.5080, 40.7360
YIQ	135.8090, 35.8920, 43.3800

Conversions

Conversions Part 2

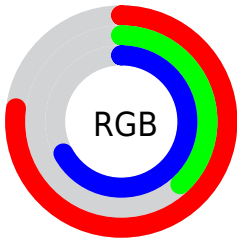
Format	Color
RYB	197, 98, 170
Decimal	12935850
CIELab	55.59, 48.61, -20.68
CIELCh	56, 52.827, 336.956
Yxy	23.5080, 0.3504, 0.2377
Android (android.graphics.Color)	4291125930 (0xFFC562AA)
YUV	135.8090, 16.8562, 53.6645
Hunter-Lab	48.4850, 42.7307, -15.8745

Details

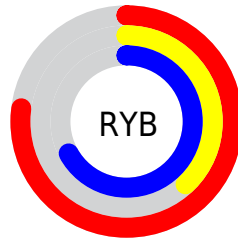
The Yxy color **23.5080, 0.3504, 0.2377** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.0224, 0.2896, 0.4441**, and the grayscale version is **24.4708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1527, 0.3432, 0.2554**, and **8.8475, 0.3610, 0.2102** is the 20% darker color. If you saturate the color by 10%, you get **20.0660, 0.3608, 0.2225**, and if you desaturate by 10%, it is **27.8679, 0.3409, 0.2550**.

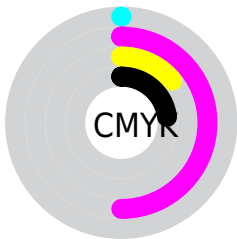
Distribution



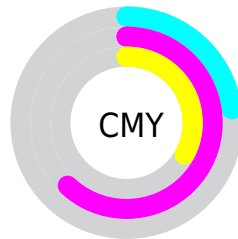
- Red (77%)
- Green (38%)
- Blue (67%)



- Red (77%)
- Yellow (38%)
- Blue (67%)



- Cyan (0%)
- Magenta (50%)
- Yellow (14%)
- Black (23%)




- Cyan (23%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5080, 0.3504, 0.2377 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 23.5080, 0.3504, 0.2377 by changing the saturation by 10% instead.

 23.5080, 0.3504,
0.2377


 23.5080, 0.3504,
0.2377


270.3236, 0.3312,
0.2846


 14.9691, 0.3552,
0.2257


 49.2261, 0.3434,
0.2550


 8.7977, 0.3615,
0.2102


 67.1741, 0.3408,
0.2614

 4.6094, 0.3697,
0.1894


 89.0272, 0.3385,
0.2668

 2.0200, 0.3810,
0.1604

 115.1698, 0.3366,
0.2714

 0.6190, 0.3987,
0.1141

145.9864, 0.3350,
0.2754

 0.0000, 0.4415,
0.0000

181.8613, 0.3336,

 0.0000, 0.0000,

0.2789

0.0000

223.1789, 0.3323,
0.2819

■ 23.5080, 0.3504,
0.2377

■ 23.5080, 0.3504,
0.2377

■ 20.0660, 0.3608,
0.2225

■ 27.8679, 0.3409,
0.2550

■ 17.4705, 0.3718,
0.2105

■ 33.2034, 0.3323,
0.2735

■ 15.6454, 0.3832,
0.2027

■ 39.5712, 0.3248,
0.2923

■ 14.4990, 0.3944,
0.1996

■ 47.0230, 0.3184,
0.3108

■ 13.8645, 0.4050,
0.2005

■ 55.6067, 0.3129,
0.3285

■ 65.3675, 0.3082,
0.3453

■ 76.3482, 0.3043,
0.3610

■ 88.1992, 0.3010,
0.3749

■ 88.4769, 0.2981,
0.3688

Harmonies

Analogous

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



23.5080, 0.2599, 0.2038



23.5080, 0.3504, 0.2377



23.5080, 0.4411, 0.2898

Triad

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



23.5080, 0.3504, 0.2377



23.5080, 0.4251, 0.4762



23.5080, 0.1619, 0.2649

Complementary

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



23.5080, 0.3504, 0.2377



44.0224, 0.2896, 0.4441

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.



23.5080, 0.1934, 0.3558



23.5080, 0.3504, 0.2377



23.5080, 0.3437, 0.5009

Square

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



23.5080, 0.3504, 0.2377



23.5080, 0.4817, 0.4172



23.5080, 0.2587, 0.4553



23.5080, 0.1635, 0.2119

Rectangle

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



23.5080, 0.3504, 0.2377



23.5080, 0.4810, 0.3305



23.5080, 0.2587, 0.4553



23.5080, 0.1685, 0.2914

Sweetspot

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



23.5091, 0.3504, 0.2377



77.3225, 0.3215, 0.3016



17.0805, 0.2406, 0.1801



15.9485, 0.3229, 0.2977



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.



23.5091, 0.3504, 0.2377



35.5786, 0.3615, 0.2216



21.9901, 0.4193, 0.2988



10.7653, 0.3179, 0.3124



9.1311, 0.4037, 0.1997



0.4441, 0.3827, 0.1882

Inverse Universe

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



23.5091, 0.3504, 0.2377



35.5786, 0.3615, 0.2216



45.5939, 0.2605, 0.3638



10.7653, 0.3179, 0.3124



9.1311, 0.4037, 0.1997



0.4441, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 23.5080, 0.3504, 0.2377 looks on a white background.

Color Contrast Check

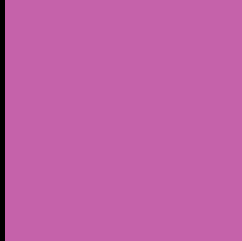
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5080, 0.3504, 0.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

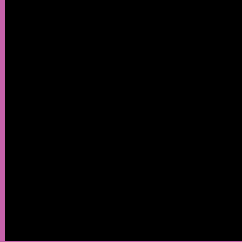
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5080, 0.3504, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 23.5080, 0.3504, 0.2377.



This preview shows how white text looks on a background with the Yxy color 23.5080, 0.3504, 0.2377.

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

23.5080, 0.3504, 0.2377

Protanopia

23.9534, 0.2400, 0.2308

Deuteranopia

23.7382, 0.2800, 0.2749



Tritanopia

23.5362, 0.4102, 0.3183

Trichromacy



Original Color

23.5080, 0.3504, 0.2377



Protanomaly

22.9074, 0.2723, 0.2304



Deuteranomaly

22.9154, 0.3034, 0.2575



Tritanomaly

23.4517, 0.3878, 0.2873

Monochromacy



Original Color

23.5080, 0.3504, 0.2377



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.3263, 0.3266, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5080, 0.3504, 0.2377 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(197, 98, 170)` looks like.

```
.text, #text, p{  
    color:rgb(197, 98, 170)  
}
```

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(197, 98, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 98, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.5080, 0.3504, 0.2377 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(197, 98, 170) }
```

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

```
.border{ border-color:rgb(197, 98, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 98, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 98, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 98, 170);  
box-shadow:4px 4px 4px 4px rgb(197, 98,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5080, 0.3504, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 98, 170) }
```

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

```
.background{ background-color: rgb(197, 98,  
170) }
```

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