

Converting Colors

$Y_{xy}(23.5012, 0.4145, 0.3285)$

Have a look what the booklet for
Yxy(23.5012, 0.4145, 0.3285)
contains.

Yxy(23.5770, 0.4149, 0.3293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5770, 0.4149, 0.3293)

Conversions

Conversions Part 1

Format	Color
Hex	BD7070
RGB	189, 112, 112
RGB Percent	74%, 44%, 44%
CMY	0.2588, 0.5608, 0.5608
CMYK	0.00, 0.41, 0.41, 0.26
HSL	0°, 37%, 59%
HSV	0°, 41%, 74%
XYZ	29.7057, 23.5770, 18.3146
YIQ	135.0230, 45.8920, 16.3240

Conversions

Conversions Part 2

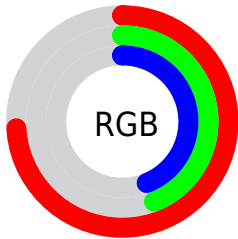
Format	Color
R_{YB}	189, 112, 112
Decimal	12415088
CIE _{Lab}	55.66, 30.43, 13.15
CIE _{LCh}	56, 33.150, 23.377
Yxy	23.5770, 0.4149, 0.3293
Android (android.graphics.Color)	4290605168 (0xFFBD7070)
YUV	135.0230, -11.3503, 47.3378
Hunter-Lab	48.5562, 24.2296, 11.6261

Details

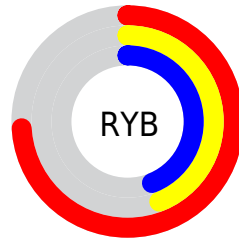
The Yxy color **23.5770, 0.4149, 0.3293** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **43.5151, 0.2574, 0.3288**, and the grayscale version is **24.2683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3648, 0.3915, 0.3303**, and **8.8020, 0.4559, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **19.4582, 0.4553, 0.3294**, and if you desaturate by 10%, it is **28.6619, 0.3811, 0.3292**.

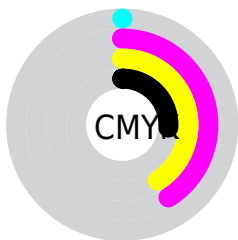
Distribution



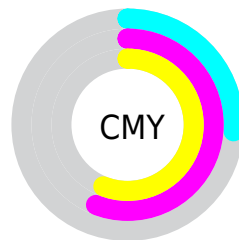
- Red (74%)
- Green (44%)
- Blue (44%)



- Red (74%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (41%)
- Black (26%)




- Cyan (26%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5770, 0.4149, 0.3293 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 23.5770, 0.4149, 0.3293 by changing the saturation by 10% instead.


 23.5770, 0.4149,
0.3293


 23.5770, 0.4149,
0.3293


270.6749, 0.3575,
0.3309


 15.0201, 0.4316,
0.3280


 49.3390, 0.3924,
0.3304


 8.8335, 0.4547,
0.3257


 67.3130, 0.3844,
0.3307

 4.6328, 0.4882,
0.3212

 89.1948, 0.3779,
0.3308

 2.0334, 0.5408,
0.3111

 115.3688, 0.3725,
0.3309

 0.6268, 0.6971,
0.3029

146.2194, 0.3679,
0.3309

 0.0000, 1.0000,
0.0000

182.1310, 0.3639,

 0.0000, 0.0000,

0.3309

0.0000

223.4881, 0.3605,
0.3309

■ 23.5770, 0.4149,
0.3293

■ 23.5770, 0.4149,
0.3293

■ 19.4582, 0.4553,
0.3294

■ 28.6619, 0.3811,
0.3292

■ 16.2411, 0.5011,
0.3296

■ 34.7648, 0.3536,
0.3291

■ 13.8593, 0.5487,
0.3297


■ 41.9382, 0.3315,
0.3291


■ 12.2354, 0.5918,
0.3298

■ 50.2300, 0.3139,
0.3290


■ 11.2780, 0.6231,
0.3299

■ 59.6851, 0.2997,
0.3290

 10.8193, 0.6401,
0.3300

 70.3461, 0.2883,
0.3289

 82.2532, 0.2791,
0.3289

 89.5593, 0.2747,
0.3289

Harmonies

Analogous

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



23.5770, 0.3700, 0.2873



23.5770, 0.4149, 0.3293



23.5770, 0.4287, 0.3744

Triad

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



23.5770, 0.4149, 0.3293



23.5770, 0.3060, 0.4218



23.5770, 0.2218, 0.2423

Complementary

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



23.5770, 0.4149, 0.3293



43.5151, 0.2574, 0.3288

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.



23.5770, 0.2087, 0.2678



23.5770, 0.4149, 0.3293



23.5770, 0.2540, 0.3747

Square

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



23.5770, 0.4149, 0.3293



23.5770, 0.3626, 0.4347



23.5770, 0.2196, 0.3153



23.5770, 0.2574, 0.2390

Rectangle

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



23.5770, 0.4149, 0.3293



23.5770, 0.4184, 0.4021



23.5770, 0.2196, 0.3153



23.5770, 0.2149, 0.2482

Sweetspot

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



23.5782, 0.4149, 0.3293



73.1221, 0.3344, 0.3291



26.0822, 0.3174, 0.2301



15.3493, 0.3371, 0.3291



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.



23.5782, 0.4149, 0.3293



35.4827, 0.4511, 0.3294



33.9626, 0.3925, 0.3820



9.5364, 0.3288, 0.3290



7.2793, 0.6401, 0.3300



0.2851, 0.6401, 0.3300

Inverse Universe

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



43.5151, 0.2574, 0.3288



76.1113, 0.2483, 0.3288



29.0925, 0.2480, 0.2686



10.8095, 0.2985, 0.3290



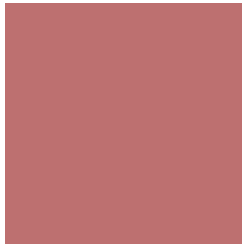
26.9588, 0.2247, 0.3287



1.0560, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 23.5770, 0.4149, 0.3293 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 23.5770, 0.4149, 0.3293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

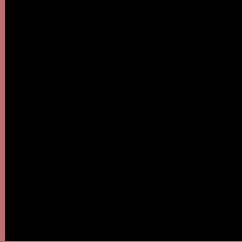
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5770, 0.4149, 0.3293

Background



This preview shows how black text looks on a background with the Yxy color 23.5770, 0.4149, 0.3293.



This preview shows how white text looks on a background with the Yxy color 23.5770, 0.4149, 0.3293.

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

23.5770, 0.4149, 0.3293

Protanopia

23.6941, 0.3304, 0.3463

Deuteranopia

23.7732, 0.3673, 0.3619



Tritanopia

23.6479, 0.4070, 0.3182

Trichromacy



Original Color

23.5770, 0.4149, 0.3293

Protanomaly

23.1672, 0.3594, 0.3389

Deuteranomaly

23.5072, 0.3840, 0.3495

Tritanomaly

23.5770, 0.4112, 0.3224

Monochromacy



Original Color

23.5770, 0.4149, 0.3293

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.6796, 0.3466, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5770, 0.4149, 0.3293 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, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 112, 112)  
}
```

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, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 112, 112) }
```

Border

The CSS property to change the border of an element to Yxy 23.5770, 0.4149, 0.3293 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, 112, 112) }
```

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

```
.border{ border-color:rgb(189, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 112,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5770, 0.4149, 0.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 112, 112) }
```

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

```
.background{ background-color: rgb(189,  
112, 112) }
```

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