

Converting Colors

$Y_{xy}(23.4122, 0.4409, 0.3204)$

Have a look what the booklet for
Yxy(23.4122, 0.4409, 0.3204)
contains.

Yxy(23.5228, 0.4399, 0.3204)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5228, 0.4399, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	CB676E
RGB	203, 103, 110
RGB Percent	80%, 40%, 43%
CMY	0.2039, 0.5961, 0.5685
CMYK	0.00, 0.49, 0.46, 0.20
HSL	356°, 49%, 60%
HSV	356°, 49%, 80%
XYZ	32.2961, 23.5228, 17.5980
YIQ	133.6980, 57.3530, 23.3770

Conversions

Conversions Part 2

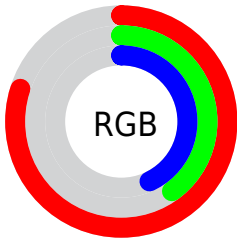
Format	Color
R_{YB}	203, 103, 110
Decimal	13330286
CIE Lab	55.61, 40.26, 14.52
CIE LCh	56, 42.793, 19.831
Yxy	23.5228, 0.4399, 0.3204
Android (android.graphics.Color)	4291520366 (0xFFCB676E)
YUV	133.6980, -11.6831, 60.7779
Hunter-Lab	48.5003, 33.9868, 12.4372

Details

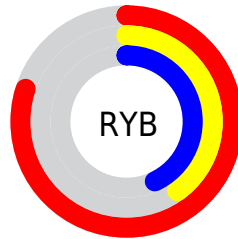
The Yxy color **23.5228, 0.4399, 0.3204** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **49.5833, 0.2523, 0.3388**, and the grayscale version is **23.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6101, 0.4053, 0.3240**, and **8.8346, 0.4874, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **19.5958, 0.4824, 0.3194**, and if you desaturate by 10%, it is **28.5200, 0.4031, 0.3220**.

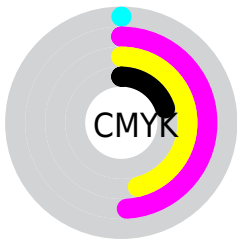
Distribution



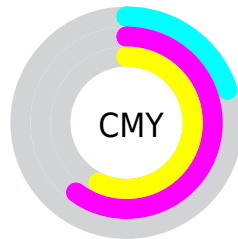
- Red (80%)
- Green (40%)
- Blue (43%)



- Red (80%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (49%)
- Yellow (46%)
- Black (20%)




- Cyan (20%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5228, 0.4399, 0.3204 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 23.5228, 0.4399, 0.3204 by changing the saturation by 10% instead.


 23.5228, 0.4399,
0.3204


 23.5228, 0.4399,
0.3204


270.3990, 0.3686,
0.3276


 14.9800, 0.4605,
0.3172


 49.2503, 0.4120,
0.3239

 8.8054, 0.4887,
0.3121


 67.2039, 0.4021,
0.3250

 4.6144, 0.5292,
0.3033

 89.0632, 0.3940,
0.3257

 2.0229, 0.5913,
0.2861

 115.2125, 0.3872,
0.3263

 0.6207, 0.7441,
0.2559

146.0364, 0.3815,
0.3268

 0.0000, 1.0000,
0.0000

181.9192, 0.3766,

 0.0000, 0.0000,


0.3271


0.0000

223.2452, 0.3723,
0.3274


 23.5228, 0.4399,
0.3204


 23.5228, 0.4399,
0.3204

 19.5958, 0.4824,
0.3194

 28.5200, 0.4031,
0.3220


 16.6576, 0.5283,
0.3194


 34.6539, 0.3725,
0.3238

 14.6211, 0.5727,
0.3206

 41.9897, 0.3477,
0.3256


 13.3822, 0.6089,
0.3232

 50.5869, 0.3277,
0.3274


 12.7664, 0.6320,
0.3262

 60.5007, 0.3117,
0.3291

 12.7300, 0.6333,
0.3262

 71.7834, 0.2988,
0.3307

 84.4841, 0.2884,
0.3321

 91.4376, 0.2822,
0.3289

Harmonies

Analogous

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



23.5228, 0.3774, 0.2705



23.5228, 0.4399, 0.3204



23.5228, 0.4617, 0.3757

Triad

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



23.5228, 0.4399, 0.3204



23.5228, 0.3103, 0.4569



23.5228, 0.1957, 0.2218

Complementary

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



23.5228, 0.4399, 0.3204



49.5833, 0.2523, 0.3388

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.



23.5228, 0.1830, 0.2550



23.5228, 0.4399, 0.3204



23.5228, 0.2436, 0.3979

Square

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



23.5228, 0.4399, 0.3204



23.5228, 0.3815, 0.4639



23.5228, 0.1987, 0.3180



23.5228, 0.2356, 0.2160

Rectangle

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



23.5228, 0.4399, 0.3204



23.5228, 0.4504, 0.4119



23.5228, 0.1987, 0.3180



23.5228, 0.1884, 0.2296

Sweetspot

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



23.5240, 0.4399, 0.3204



75.8946, 0.3390, 0.3264



25.5708, 0.3092, 0.2078



15.6062, 0.3435, 0.3260



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.



23.5240, 0.4399, 0.3204



32.5125, 0.4848, 0.3194



33.8264, 0.4204, 0.3827



11.2262, 0.3279, 0.3274



8.1057, 0.6316, 0.3253



0.4227, 0.6047, 0.3105

Inverse Universe

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



23.5240, 0.4399, 0.3204



32.5125, 0.4848, 0.3194



32.8032, 0.2367, 0.2661



11.2262, 0.3279, 0.3274



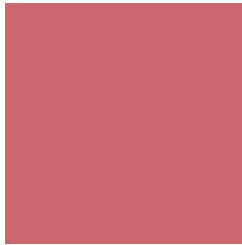
8.1057, 0.6316, 0.3253



0.4227, 0.6047, 0.3105

Previews

White Background



This preview shows how the Yxy color 23.5228, 0.4399, 0.3204 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 23.5228, 0.4399, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

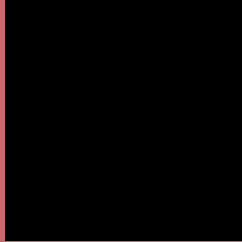
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5228, 0.4399, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 23.5228, 0.4399, 0.3204.



This preview shows how white text looks on a background with the Yxy color 23.5228, 0.4399, 0.3204.

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

23.5228, 0.4399, 0.3204

Protanopia

23.6590, 0.3271, 0.3428

Deuteranopia

23.5469, 0.3726, 0.3651



Tritanopia

23.5228, 0.4399, 0.3204

Trichromacy



Original Color

23.5228, 0.4399, 0.3204

Protanomaly

22.9565, 0.3655, 0.3323

Deuteranomaly

23.1394, 0.3976, 0.3474

Tritanomaly

23.5228, 0.4399, 0.3204

Monochromacy



Original Color

23.5228, 0.4399, 0.3204

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0175, 0.3552, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5228, 0.4399, 0.3204 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(203, 103, 110)` looks like.

```
.text, #text, p{  
    color:rgb(203, 103, 110)  
}
```

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(203, 103, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 103, 110) }
```

Border

The CSS property to change the border of an element to Yxy 23.5228, 0.4399, 0.3204 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(203, 103, 110) }
```

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

```
.border{ border-color:rgb(203, 103, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 103, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 103, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 103, 110);  
box-shadow:4px 4px 4px 4px rgb(203, 103,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5228, 0.4399, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 103, 110) }
```

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

```
.background{ background-color: rgb(203,  
103, 110) }
```

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