

# Converting Colors

$Y_{xy}(23.2651, 0.4227, 0.3185)$

Have a look what the booklet for  
Yxy(23.2651, 0.4227, 0.3185)  
contains.

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**Color**

**Yxy(23.1251, 0.4229, 0.3186)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C36A72
RGB	195, 106, 114
RGB Percent	76%, 42%, 45%
CMY	0.2353, 0.5843, 0.5530
CMYK	0.00, 0.46, 0.42, 0.24
HSL	355°, 43%, 59%
HSV	355°, 46%, 76%
XYZ	30.6956, 23.1251, 18.7628
YIQ	133.5230, 50.4760, 21.3560

# Conversions

## Conversions Part 2

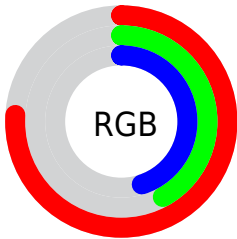
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 106, 114
Decimal	12806770
CIE Lab	55.20, 36.14, 11.47
CIE LCh	55, 37.918, 17.600
Yxy	23.1251, 0.4229, 0.3186
Android (android.graphics.Color)	4290996850 (0xFFC36A72)
YUV	133.5230, -9.6248, 53.9153
Hunter-Lab	48.0886, 29.7839, 10.5287

# Details

The Yxy color **23.1251, 0.4229, 0.3186** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **45.6809, 0.2567, 0.3406**, and the grayscale version is **23.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6203, 0.3982, 0.3219**, and **8.6250, 0.4659, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **19.1878, 0.4625, 0.3170**, and if you desaturate by 10%, it is **28.0569, 0.3893, 0.3208**.

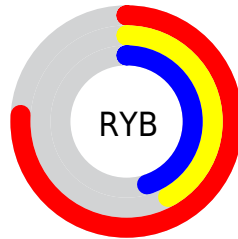
# Distribution



Red (76%)

Green (42%)

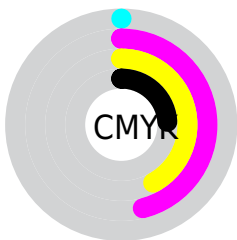
Blue (45%)



Red (76%)

Yellow (42%)

Blue (45%)

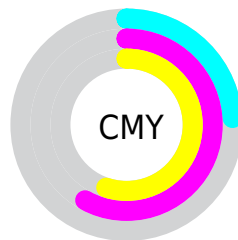


Cyan (0%)

Magenta (46%)

Yellow (42%)

Black (24%)



Cyan (24%)

Magenta (58%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1251, 0.4229, 0.3186 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 23.1251, 0.4229, 0.3186 by changing the saturation by 10% instead.





 23.1251, 0.4229,  
0.3186

 23.1251, 0.4229,  
0.3186


268.3669, 0.3609,  
0.3261


 14.6859, 0.4410,  
0.3156


 48.5987, 0.3985,  
0.3221


 8.5992, 0.4659,  
0.3110


 66.4018, 0.3900,  
0.3231

 4.4807, 0.5022,  
0.3031

 88.0951, 0.3829,  
0.3239

 1.9459, 0.5591,  
0.2880

 114.0629, 0.3771,  
0.3246

 0.5758, 0.7325,  
0.2675

144.6895, 0.3721,  
0.3251

 0.0000, 1.0000,  
0.0000


180.3595, 0.3678,


 0.0000, 0.0000,


0.3255

0.0000


221.4571, 0.3641,  
0.3258


 23.1251, 0.4229,  
0.3186

 23.1251, 0.4229,  
0.3186


 19.1878, 0.4625,  
0.3170


 28.0569, 0.3893,  
0.3208

 16.1742, 0.5066,  
0.3163


 34.0407, 0.3616,  
0.3232


 14.0097, 0.5517,  
0.3171

 41.1337, 0.3393,  
0.3255

 12.6068, 0.5920,  
0.3196


 49.3882, 0.3213,  
0.3278

 11.8574, 0.6213,  
0.3235

 58.8529, 0.3068,  
0.3299

 11.6434, 0.6305,  
0.3247

 69.5739, 0.2951,  
0.3318

 81.5949, 0.2857,  
0.3336

 90.3414, 0.2778,  
0.3289

# Harmonies

## Analogous

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



23.1251, 0.3657, 0.2734



23.1251, 0.4229, 0.3186



23.1251, 0.4460, 0.3691

# Triad

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



23.1251, 0.4229, 0.3186



23.1251, 0.3165, 0.4437



23.1251, 0.2049, 0.2337

# Complementary

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



23.1251, 0.4229, 0.3186



45.6809, 0.2567, 0.3406

# 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.



23.1251, 0.1953, 0.2667



23.1251, 0.4229, 0.3186



23.1251, 0.2552, 0.3949

# Square

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



23.1251, 0.4229, 0.3186



23.1251, 0.3802, 0.4484



23.1251, 0.2122, 0.3251



23.1251, 0.2399, 0.2261



# Rectangle

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



23.1251, 0.4229, 0.3186



23.1251, 0.4385, 0.4019



23.1251, 0.2122, 0.3251



23.1251, 0.1989, 0.2418

# Sweetspot

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



23.1263, 0.4229, 0.3186



75.6425, 0.3365, 0.3259



24.7012, 0.3081, 0.2157



15.9004, 0.3408, 0.3253



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.



23.1263, 0.4229, 0.3186



34.2326, 0.4634, 0.3169



31.8705, 0.4106, 0.3769



10.0922, 0.3275, 0.3270



7.5736, 0.6286, 0.3237



0.3323, 0.5915, 0.3032



# Inverse Universe

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



23.1263, 0.4229, 0.3186



34.2326, 0.4634, 0.3169



31.9390, 0.2426, 0.2741



10.0922, 0.3275, 0.3270



7.5736, 0.6286, 0.3237

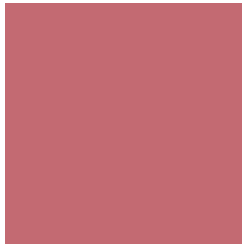


0.3323, 0.5915, 0.3032



# Previews

## White Background



This preview shows how the Yxy color 23.1251, 0.4229, 0.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

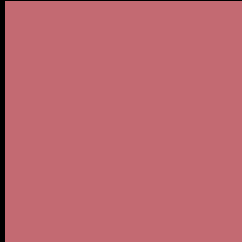
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.1251, 0.4229, 0.3186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

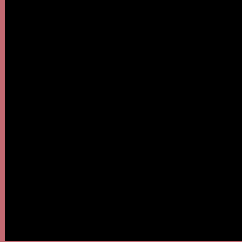
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.1251, 0.4229, 0.3186**

## Background



This preview shows how black text looks on a background with the Yxy color 23.1251, 0.4229, 0.3186.



This preview shows how white text looks on a background with the Yxy color 23.1251, 0.4229, 0.3186.

# 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

23.1251, 0.4229, 0.3186

### Protanopia

23.2953, 0.3216, 0.3360

### Deuteranopia

23.3364, 0.3641, 0.3589



## Tritanopia

23.1251, 0.4229, 0.3186

# Trichromacy



## Original Color

23.1251, 0.4229, 0.3186

## Protanomaly

22.7641, 0.3551, 0.3291

## Deuteranomaly

22.9055, 0.3856, 0.3432

## Tritanomaly

23.1251, 0.4229, 0.3186

# Monochromacy



## Original Color

23.1251, 0.4229, 0.3186

## Achromatopsia

23.8398, 0.3127, 0.3290

## Achromatomaly

23.0155, 0.3487, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.1251, 0.4229, 0.3186 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(195, 106, 114)` looks like.

```
.text, #text, p{  
    color:rgb(195, 106, 114)  
}
```

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(195, 106, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 106, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 23.1251, 0.4229, 0.3186 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(195, 106, 114) }
```

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

```
.border{ border-color:rgb(195, 106, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 106, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 106, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 106, 114);  
box-shadow:4px 4px 4px 4px rgb(195, 106,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.1251, 0.4229, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 106, 114) }
```

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

```
.background{ background-color: rgb(195,  
106, 114) }
```

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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