

# Converting Colors

$Y_{xy}(23.7503, 0.4287, 0.3174)$

Have a look what the booklet for  
Yxy(23.7503, 0.4287, 0.3174)  
contains.

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**Color**

**Yxy(23.6203, 0.4280, 0.3163)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C86973
RGB	200, 105, 115
RGB Percent	78%, 41%, 45%
CMY	0.2158, 0.5882, 0.5490
CMYK	0.00, 0.47, 0.42, 0.22
HSL	354°, 46%, 60%
HSV	354°, 47%, 78%
XYZ	31.9617, 23.6203, 19.0949
YIQ	134.5450, 53.4100, 23.2500

# Conversions

## Conversions Part 2

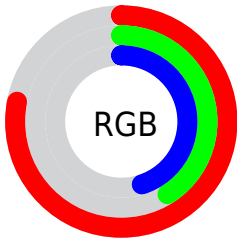
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 105, 115
Decimal	13134195
CIE <sub>Lab</sub>	55.71, 38.62, 11.68
CIE <sub>LCh</sub>	56, 40.349, 16.830
Yxy	23.6203, 0.4280, 0.3163
Android (android.graphics.Color)	4291324275 (0xFFC86973)
YUV	134.5450, -9.6357, 57.4040
Hunter-Lab	48.6007, 32.3372, 10.7259

# Details

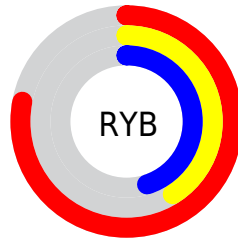
The Yxy color **23.6203, 0.4280, 0.3163** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **48.0214, 0.2557, 0.3433**, and the grayscale version is **24.0745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5037, 0.3985, 0.3198**, and **8.8832, 0.4735, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **19.6420, 0.4680, 0.3145**, and if you desaturate by 10%, it is **28.6388, 0.3938, 0.3188**.

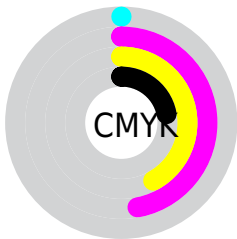
# Distribution



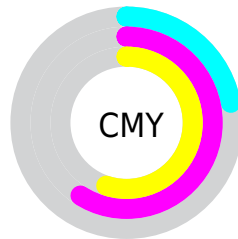
- Red (78%)
- Green (41%)
- Blue (45%)



- Red (78%)
- Yellow (41%)
- Blue (45%)



- Cyan (0%)
- Magenta (47%)
- Yellow (42%)
- Black (22%)




- Cyan (22%)
- Magenta (59%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6203, 0.4280, 0.3163 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 23.6203, 0.4280, 0.3163 by changing the saturation by 10% instead.





 23.6203, 0.4280,  
0.3163


 23.6203, 0.4280,  
0.3163


270.8952, 0.3634,  
0.3252


 15.0522, 0.4467,  
0.3129


 49.4099, 0.4027,  
0.3203

 8.8560, 0.4724,  
0.3077


 67.4001, 0.3937,  
0.3216

 4.6474, 0.5096,  
0.2991

 89.2999, 0.3864,  
0.3225

 2.0419, 0.5674,  
0.2829

 115.4936, 0.3803,  
0.3233

 0.6316, 0.7355,  
0.2645

146.3655, 0.3751,  
0.3239

 0.0000, 1.0000,  
0.0000


182.3002, 0.3706,


 0.0000, 0.0000,


0.3244


0.0000

223.6820, 0.3668,  
0.3248


 23.6203, 0.4280,  
0.3163

 23.6203, 0.4280,  
0.3163

 19.6420, 0.4680,  
0.3145


 28.6388, 0.3938,  
0.3188

 16.6275, 0.5121,  
0.3139


 34.7597, 0.3655,  
0.3216

 14.4957, 0.5565,  
0.3151


 42.0445, 0.3426,  
0.3244


 13.1506, 0.5954,  
0.3182

 50.5493, 0.3241,  
0.3271


 12.4583, 0.6231,  
0.3228

 60.3263, 0.3093,  
0.3296

 12.3309, 0.6285,  
0.3236

 71.4250, 0.2973,  
0.3319

 83.8919, 0.2876,  
0.3340

 91.0166, 0.2805,  
0.3289

# Harmonies

## Analogous

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



23.6203, 0.3667, 0.2695



23.6203, 0.4280, 0.3163



23.6203, 0.4533, 0.3690

# Triad

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



23.6203, 0.4280, 0.3163



23.6203, 0.3180, 0.4516



23.6203, 0.1991, 0.2294

# Complementary

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



23.6203, 0.4280, 0.3163



48.0214, 0.2557, 0.3433

# 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.



23.6203, 0.1897, 0.2643



23.6203, 0.4280, 0.3163



23.6203, 0.2533, 0.4007

# Square

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



23.6203, 0.4280, 0.3163



23.6203, 0.3847, 0.4544



23.6203, 0.2078, 0.3263



23.6203, 0.2349, 0.2211



# Rectangle

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



23.6203, 0.4280, 0.3163



23.6203, 0.4458, 0.4036



23.6203, 0.2078, 0.3263



23.6203, 0.1930, 0.2379

# Sweetspot

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



23.6215, 0.4280, 0.3163



77.4103, 0.3361, 0.3253



25.0824, 0.3060, 0.2106



15.9075, 0.3404, 0.3247



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.



23.6215, 0.4280, 0.3163



33.8154, 0.4694, 0.3145



32.4710, 0.4172, 0.3768



10.6548, 0.3273, 0.3266



7.8486, 0.6263, 0.3224



0.3779, 0.5867, 0.3005



# Inverse Universe

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



23.6215, 0.4280, 0.3163



33.8154, 0.4694, 0.3145



33.5739, 0.2403, 0.2739



10.6548, 0.3273, 0.3266



7.8486, 0.6263, 0.3224



0.3779, 0.5867, 0.3005



# Previews

## White Background



This preview shows how the Yxy color 23.6203, 0.4280, 0.3163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

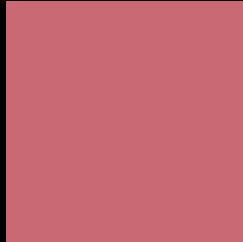
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.6203, 0.4280, 0.3163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

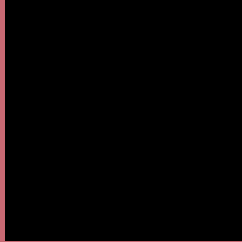
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.6203, 0.4280, 0.3163**

## Background



This preview shows how black text looks on a background with the Yxy color 23.6203, 0.4280, 0.3163.



This preview shows how white text looks on a background with the Yxy color 23.6203, 0.4280, 0.3163.

# 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

23.6203, 0.4280, 0.3163

### Protanopia

23.7051, 0.3205, 0.3342

### Deuteranopia

23.8168, 0.3649, 0.3586



## Tritanopia

23.5748, 0.4309, 0.3189

# Trichromacy



## Original Color

23.6203, 0.4280, 0.3163

## Protanomaly

23.1202, 0.3564, 0.3259

## Deuteranomaly

23.2607, 0.3881, 0.3415

## Tritanomaly

23.5974, 0.4295, 0.3176

# Monochromacy



## Original Color

23.6203, 0.4280, 0.3163

## Achromatopsia

24.2281, 0.3127, 0.3290

## Achromatomaly

23.3447, 0.3512, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.6203, 0.4280, 0.3163 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(200, 105, 115)` looks like.

```
.text, #text, p{  
    color:rgb(200, 105, 115)  
}
```

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(200, 105, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 105, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 23.6203, 0.4280, 0.3163 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(200, 105, 115) }
```

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

```
.border{ border-color:rgb(200, 105, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 105, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 105, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 105, 115);  
box-shadow:4px 4px 4px 4px rgb(200, 105,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.6203, 0.4280, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 105, 115) }
```

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

```
.background{ background-color: rgb(200,  
105, 115) }
```

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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