

# Converting Colors

$Y_{xy}(23.7200, 0.4859, 0.3352)$

Have a look what the booklet for  
Yxy(23.7200, 0.4859, 0.3352)  
contains.

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**Color**

**Yxy(23.7200, 0.4859, 0.3352)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8605B
RGB	216, 96, 91
RGB Percent	85%, 38%, 36%
CMY	0.1530, 0.6234, 0.6432
CMYK	0.00, 0.56, 0.58, 0.15
HSL	2°, 62%, 60%
HSV	2°, 58%, 85%
XYZ	34.3841, 23.7200, 12.6596
YIQ	131.3100, 73.1250, 23.8850

# Conversions

## Conversions Part 2

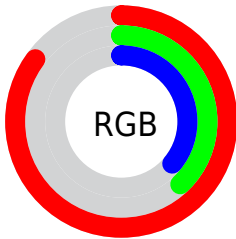
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 96, 91
Decimal	14180443
CIE <sub>Lab</sub>	55.81, 46.76, 26.19
CIE <sub>LCh</sub>	56, 53.592, 29.253
Yxy	23.7200, 0.4859, 0.3352
Android (android.graphics.Color)	4292370523 (0xFFD8605B)
YUV	131.3100, -19.8728, 74.2731
Hunter-Lab	48.7032, 40.7891, 18.6807

# Details

The Yxy color **23.7200, 0.4859, 0.3352** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **53.7328, 0.2395, 0.3219**, and the grayscale version is **22.8690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9958, 0.4288, 0.3387**, and **8.9133, 0.5491, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **20.1031, 0.5329, 0.3355**, and if you desaturate by 10%, it is **28.4435, 0.4421, 0.3344**.

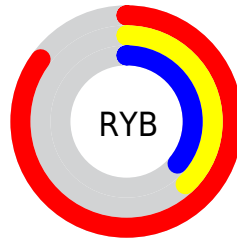
# Distribution



Red (85%)

Green (38%)

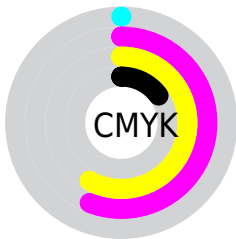
Blue (36%)



Red (85%)

Yellow (38%)

Blue (36%)

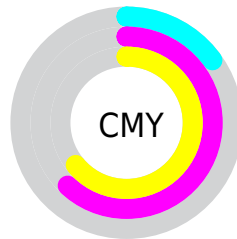


Cyan (0%)

Magenta (56%)

Yellow (58%)

Black (15%)



Cyan (15%)

Magenta (62%)


Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7200, 0.4859, 0.3352 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 23.7200, 0.4859, 0.3352 by changing the saturation by 10% instead.





 23.7200, 0.4859,  
0.3352


 23.7200, 0.4859,  
0.3352

271.4018, 0.3895,  
0.3373


 15.1260, 0.5127,  
0.3321


 49.5729, 0.4487,  
0.3377


 8.9079, 0.5484,  
0.3262


 67.6006, 0.4353,  
0.3380

 4.6812, 0.5972,  
0.3145


 89.5417, 0.4243,  
0.3381

 2.0614, 0.6887,  
0.3004

 115.7806, 0.4151,  
0.3381

 0.6428, 0.7674,  
0.2326

146.7017, 0.4072,  
0.3379

 0.0000, 1.0000,  
0.0000

182.6893, 0.4005,

 0.0000, 0.0000,

0.3377

0.0000

224.1279, 0.3946,  
0.3375

■ 23.7200, 0.4859,  
0.3352

■ 23.7200, 0.4859,  
0.3352

■ 20.1031, 0.5329,  
0.3355

■ 28.4435, 0.4421,  
0.3344

■ 17.4993, 0.5778,  
0.3349

■ 34.3496, 0.4041,  
0.3333

■ 15.8062, 0.6135,  
0.3336

■ 41.5119, 0.3725,  
0.3322

■ 14.8963, 0.6346,  
0.3319

■ 49.9971, 0.3468,  
0.3310

■ 14.7844, 0.6377,  
0.3319

■ 59.8671, 0.3261,  
0.3298

■ 71.1799, 0.3095,  
0.3288

■ 83.9903, 0.2961,  
0.3278

■ 93.3351, 0.2894,  
0.3289

# Harmonies

## Analogous

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



23.7200, 0.4214, 0.2746



23.7200, 0.4859, 0.3352



23.7200, 0.4912, 0.4007

# Triad

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



23.7200, 0.4859, 0.3352



23.7200, 0.2791, 0.4761



23.7200, 0.1834, 0.1943

# Complementary

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



23.7200, 0.4859, 0.3352



53.7328, 0.2395, 0.3219

# 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.



23.7200, 0.1588, 0.2207



23.7200, 0.4859, 0.3352



23.7200, 0.2060, 0.3835

# Square

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



23.7200, 0.4859, 0.3352



23.7200, 0.3661, 0.5021



23.7200, 0.1653, 0.2843



23.7200, 0.2397, 0.1976



# Rectangle

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



23.7200, 0.4859, 0.3352



23.7200, 0.4642, 0.4440



23.7200, 0.1653, 0.2843



23.7200, 0.1718, 0.1994

# Sweetspot

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



23.7213, 0.4859, 0.3352



73.7860, 0.3452, 0.3309



26.8182, 0.3235, 0.1976



15.2162, 0.3499, 0.3311



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.



23.7213, 0.4859, 0.3352



28.5055, 0.5412, 0.3354



39.6830, 0.4351, 0.4076



12.5003, 0.3290, 0.3300



8.7908, 0.6369, 0.3325



0.5592, 0.6270, 0.3404



# Inverse Universe

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



53.7328, 0.2395, 0.3219



75.9552, 0.2311, 0.3203



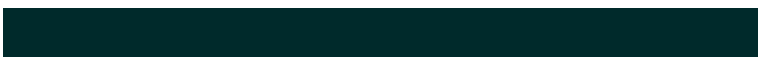
28.7738, 0.2194, 0.2296



14.0179, 0.2983, 0.3280



29.4682, 0.2212, 0.3164



1.8047, 0.2219, 0.3187



# Previews

## White Background



This preview shows how the Yxy color 23.7200, 0.4859, 0.3352 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 23.7200, 0.4859, 0.3352 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 23.7200, 0.4859, 0.3352**

## Background



This preview shows how black text looks on a background with the Yxy color 23.7200, 0.4859, 0.3352.



This preview shows how white text looks on a background with the Yxy color 23.7200, 0.4859, 0.3352.

# 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

23.7200, 0.4859, 0.3352

### Protanopia

23.9514, 0.3527, 0.3754

### Deuteranopia

23.7756, 0.4047, 0.3967



## Tritanopia

23.8757, 0.4737, 0.3226

# Trichromacy



**Original Color**

23.7200, 0.4859, 0.3352

**Protanomaly**

22.9186, 0.4010, 0.3584

**Deuteranomaly**

23.1240, 0.4366, 0.3704

**Tritanomaly**

23.7992, 0.4794, 0.3272

# Monochromacy



**Original Color**

23.7200, 0.4859, 0.3352

**Achromatopsia**

22.6966, 0.3127, 0.3290

**Achromatomaly**

21.8992, 0.3723, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.7200, 0.4859, 0.3352 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(216, 96, 91)` looks like.

```
.text, #text, p{  
    color:rgb(216, 96, 91)  
}
```

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(216, 96, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 96, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 23.7200, 0.4859, 0.3352 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(216, 96, 91) }
```

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

```
.border{ border-color:rgb(216, 96, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 96, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 96, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 96, 91);  
box-shadow:4px 4px 4px 4px rgb(216, 96,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.7200, 0.4859, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 96, 91) }
```

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

```
.background{ background-color: rgb(216, 96,  
91) }
```

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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