

# Converting Colors

YUV(105.1830, 23.0808,  
63.8605)

Have a look what the booklet for  
YUV(105.1830, 23.0808, 63.8605)  
contains.

<b>YUV(105.1830, 23.0808, 63.8605)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(105.1830, 23.0808,  
63.8605)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B23B98
RGB	178, 59, 152
RGB Percent	70%, 23%, 60%
CMY	0.3020, 0.7686, 0.4039
CMYK	0.00, 0.67, 0.15, 0.30
HSL	313°, 50%, 46%
HSV	313°, 67%, 70%
XYZ	25.5916, 14.8599, 31.2252
YIQ	105.1830, 41.0710, 54.1510

# Conversions

## Conversions Part 2

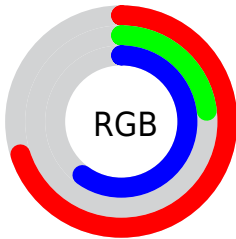
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">178, 59, 152</a>
Decimal	<a href="#">11680664</a>
CIELab	<a href="#">45.44, 58.03, -25.96</a>
CIELCh	<a href="#">45, 63.572, 335.902</a>
Yxy	<a href="#">14.8599, 0.3570, 0.2073</a>
Android (android.graphics.Color)	<a href="#">4289870744</a> ( <a href="#">0xFFB23B98</a> )
YUV	<a href="#">105.1830, 23.0808, 63.8605</a>
Hunter-Lab	<a href="#">38.5485, 51.0424, -21.0422</a>

# Details

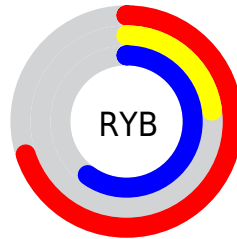
The YUV color **105.1830, 23.0808, 63.8605** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **131.8170, -23.0808, -63.8605**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **161.6670, 22.3492, 65.1900**, and **47.9920, 26.1329, 64.9050** is the 20% darker color. If you saturate the color by 10%, you get **94.1610, 26.5426, 73.5268**, and if you desaturate by 10%, it is **116.2050, 19.6189, 54.1942**.

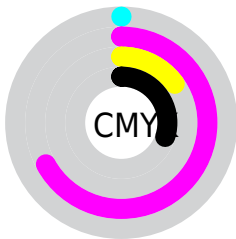
# Distribution



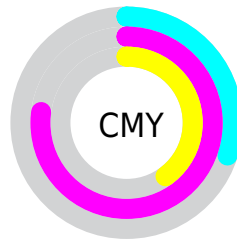
- Red (70%)
- Green (23%)
- Blue (60%)



- Red (70%)
- Yellow (23%)
- Blue (60%)



- Cyan (0%)
- Magenta (67%)
- Yellow (15%)
- Black (30%)



- Cyan (30%)
- Magenta (77%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 105.1830, 23.0808, 63.8605 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 YUV color 105.1830, 23.0808, 63.8605 by changing the saturation by 10% instead.



105.1830, 23.0808,  
63.8605

105.1830, 23.0808,  
63.8605

255.0000, 0.0000,  
0.0000

75.0630, 25.1119,  
65.7197

161.6670, 22.3492,  
65.1900

47.9920, 26.1329,  
64.9050

186.9760, 23.6758,  
59.6570

36.7700, 19.3404,  
50.1907

205.6920, 24.3088,  
43.2431

26.3740, 13.1266,  
36.5060

222.1280, 16.2059,  
28.8287

16.5050, 7.6390,  
23.2361

239.1510, 7.8136,  
13.8996

0.2280, 0.8736,  
-0.2000

0.0000, 0.0000,

0.0000

■ 105.1830, 23.0808,  
63.8605

■ 105.1830, 23.0808,  
63.8605

■ 94.1610, 26.5426,  
73.5268

■ 116.2050, 19.6189,  
54.1942

■ 83.1390, 30.0045,  
83.1931

■ 127.2270, 16.1571,  
44.5279

■ 72.7040, 33.1769,  
92.3446

■ 137.6620, 12.9846,  
35.3764

■ 69.0680, 34.4765,  
95.5334

■ 148.6840, 9.5228,  
25.7101

■ 159.5920, 5.6241,  
16.1438

■ 170.6140, 2.1623,  
6.4775

■ 181.6360, -1.2995,  
-3.1888

■ 192.0710, -4.4720,  
-12.3403

■ 203.0930, -7.9338,  
-22.0066

# Harmonies

## Analogous

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



109.7660, 42.0204, 8.9752



105.1830, 23.0808, 63.8605



96.3270, 1.3178, 90.9212

# Triad

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



105.1830, 23.0808, 63.8605



100.1620, -49.3799, 18.2749



95.5760, 36.1980, -83.8202

# Complementary

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



105.1830, 23.0808, 63.8605



131.8170, -23.0808, -63.8605

# 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.



90.2350, 13.1951, -79.1361



105.1830, 23.0808, 63.8605



90.1630, -44.4504, -22.9450

# Square

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



105.1830, 23.0808, 63.8605



100.6920, -49.6412, 55.5211



82.0900, -10.3974, -71.9929



96.1580, 53.6591, -84.3306



# Rectangle

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



105.1830, 23.0808, 63.8605



97.7230, -16.1324, 87.9429



82.0900, -10.3974, -71.9929



94.3390, 28.9199, -82.7353

# Sweetspot

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



105.1830, 23.0808, 63.8605



203.8580, 8.9440, 24.6805



80.3400, 48.1464, 4.0868



99.8800, 5.4822, 15.0142



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



105.1830, 23.0808, 63.8605



118.1440, 35.9180, 99.8517



98.4570, -2.6903, 69.7592



83.4890, 1.7309, 4.8331



59.4270, 29.8625, 82.0635



10.0540, 4.9034, 13.9846



# Inverse Universe

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



105.1830, 23.0808, 63.8605



118.1440, 35.9180, 99.8517



138.5430, 2.6903, -69.7592



83.4890, 1.7309, 4.8331



59.4270, 29.8625, 82.0635



10.0540, 4.9034, 13.9846



# Previews

## White Background



This preview shows how the YUV color 105.1830, 23.0808, 63.8605 looks on a white 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



# Black Background



This preview shows how the YUV color 105.1830, 23.0808, 63.8605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

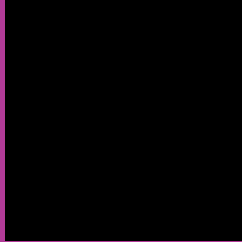
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 105.1830, 23.0808, 63.8605

## Background



This preview shows how black text looks on a background with the YUV color 105.1830, 23.0808, 63.8605.



This preview shows how white text looks on a background with the YUV color 105.1830, 23.0808, 63.8605.



# 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

105.1830, 23.0808, 63.8605

### Protanopia

104.6270, 42.5819, -31.2449

### Deuteranopia

108.9400, 17.7776, -8.7174



## Tritanopia

107.0780, -11.3775, 56.0596

# Trichromacy



## Original Color

105.1830, 23.0808, 63.8605

## Protanomaly

105.0120, 35.4901, 3.4975

## Deuteranomaly

107.9740, 19.7328, 17.5628

## Tritanomaly

106.7160, 1.1260, 59.0081

# Monochromacy



## Original Color

105.1830, 23.0808, 63.8605

## Achromatopsia

105.0000, 0.0000, 0.0000

## Achromatomaly

105.0320, 8.3652, 23.6509

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 105.1830, 23.0808, 63.8605 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(178, 59, 152)` looks like.

```
.text, #text, p{  
    color:rgb(178, 59, 152)  
}
```

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(178, 59, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 59, 152) }
```

## Border

The CSS property to change the border of an element to YUV 105.1830, 23.0808, 63.8605 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(178, 59, 152) }
```



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

```
.border{ border-color:rgb(178, 59, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 59, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 59, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 59, 152);  
box-shadow:4px 4px 4px 4px rgb(178, 59,  
152) }
```

# Background

The CSS property to change the background color of an element to YUV 105.1830, 23.0808, 63.8605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 59, 152) }
```

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

```
.background{ background-color: rgb(178, 59,  
152) }
```

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