

# Converting Colors

YUV(48.1170, -23.7217,  
95.4904)

Have a look what the booklet for  
YUV(48.1170, -23.7217, 95.4904)  
contains.

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# Color

**YUV(48.1170, -23.7217,  
95.4904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D0200
RGB	157, 2, 0
RGB Percent	62%, 1%, 0%
CMY	0.3843, 0.9922, 1.0000
CMYK	0.00, 0.99, 1.00, 0.38
HSL	1°, 100%, 31%
HSV	1°, 100%, 62%
XYZ	13.9263, 7.2115, 0.6580
YIQ	48.1170, 93.0220, 32.2380

# Conversions

## Conversions Part 2

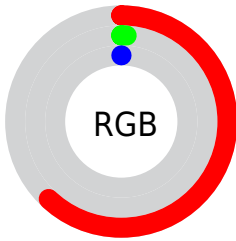
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 2, 0
Decimal	10289664
CIE Lab	32.28, 55.48, 46.25
CIE LCh	32, 72.226, 39.818
Yxy	7.2115, 0.6389, 0.3309
Android (android.graphics.Color)	4288479744 (0xFF9D0200)
YUV	48.1170, -23.7217, 95.4904
Hunter-Lab	26.8543, 45.5732, 17.3453

# Details

The YUV color **48.1170, -23.7217, 95.4904** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **108.8830, 23.7217, -95.4904**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.6900, -32.8782, 92.3569**, and **28.4050, -14.0037, 58.4038** is the 20% darker color. If you saturate the color by 10%, you get **48.1170, -23.7217, 95.4904**, and if you desaturate by 10%, it is **58.7460, -21.0738, 86.1688**.

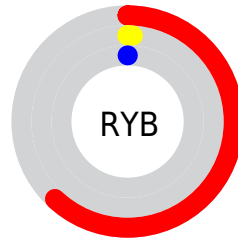
# Distribution



Red (62%)

Green (1%)

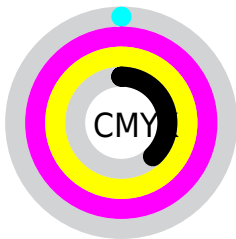
Blue (0%)



Red (62%)

Yellow (1%)

Blue (0%)

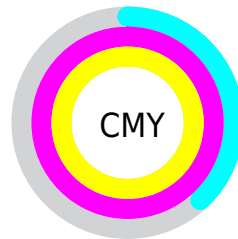


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (99%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 48.1170, -23.7217, 95.4904 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 48.1170, -23.7217, 95.4904 by changing the saturation by 10% instead.




 48.1170, -23.7217,  
95.4904


 48.1170, -23.7217,  
95.4904


 252.1500,  
-10.9200, 2.4994

 37.6740, -18.5733,  
77.4619


 114.6900,  
-32.8782, 92.3569


 28.4050, -14.0037,  
58.4038

 143.3160,  
-35.6518, 95.3159


 20.2610, -9.0027,  
40.9901

 163.4990,  
-33.2770, 80.2464

 10.8780, -4.8699,  
22.0320


 182.7850,  
-30.4600, 63.3326


 0.0000, 0.0000,  
0.0000


 202.1850,  
-27.2062, 46.3188


 222.2860,


-23.8050, 28.6902


 242.5010,  
-19.9670, 10.9616

 48.1170, -23.7217,  
95.4904

 58.7460, -21.0738,  
86.1688

 69.8480, -19.1521,  
76.4323

 81.0640, -16.7936,  
66.5959

 91.6930, -14.1456,  
57.2742

 102.9090,  
-11.7871, 47.4378

■ 113.4240, -9.5760,  
38.2162

■ 124.6400, -7.2175,  
28.3797

■ 135.2690, -4.5696,  
19.0581

■ 146.3710, -2.6479,  
9.3216

# Harmonies

## Analogous

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



57.6700, 1.1487, 98.5134



48.1170, -23.7217, 95.4904



71.1220, -35.0631, 46.3740

# Triad

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



48.1170, -23.7217, 95.4904



60.1140, -13.3672, -52.7200



67.5600, 60.8559, -59.2501

# Complementary

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



48.1170, -23.7217, 95.4904



108.8830, 23.7217, -95.4904

# 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.



75.6810, 53.8943, -66.3722



48.1170, -23.7217, 95.4904



68.2420, 12.6987, -59.8482

# Square

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



48.1170, -23.7217, 95.4904



53.4170, -26.3346, -46.8467



74.5120, 36.7226, -65.3470



75.3910, 44.1772, 17.1971



# Rectangle

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



48.1170, -23.7217, 95.4904



71.5440, -35.2712, 19.6939



74.5120, 36.7226, -65.3470



71.7830, 59.2670, -62.9537

# Sweetspot

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



48.1170, -23.7217, 95.4904



161.8260, -9.2812, 36.9866



64.8410, 45.4344, 80.8234



76.6500, -5.7434, 22.2320



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



48.1170, -23.7217, 95.4904



62.7570, -30.9392, 123.8701



93.3160, -46.0048, 55.8509



73.3920, -1.1793, 4.9182



43.9310, -21.6580, 86.8835



4.4850, -2.2111, 9.2217



# Inverse Universe

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



108.8830, 23.7217, -95.4904



141.2430, 30.9392, -123.8701



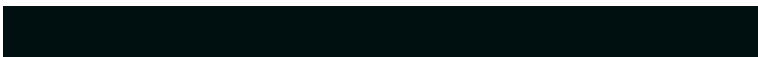
64.2710, 45.7154, -56.3657



76.6080, 1.1793, -4.9182



99.0690, 21.6580, -86.8835

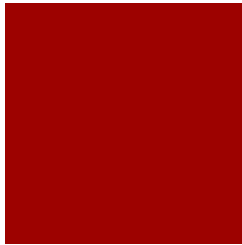


10.5150, 2.2111, -9.2217



# Previews

## White Background



This preview shows how the YUV color 48.1170, -23.7217, 95.4904 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 ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 48.1170, -23.7217, 95.4904

## Background



This preview shows how black text looks on a background with the YUV color 48.1170, -23.7217, 95.4904.



This preview shows how white text looks on a background with the YUV color 48.1170, -23.7217,



# 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



### Protanopia

75.2640, -27.2452, 12.0465

### Deuteranopia

73.9250, -36.4450, 22.8678

### Tritanopia

55.4490, -27.3364, 88.1832

# Trichromacy



## Protanomaly

65.5050, -25.8850, 42.5301

## Deuteranomaly

64.3550, -31.7270, 49.6777

## Tritanomaly

52.5140, -25.8894, 90.7572

# Monochromacy



## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

48.0430, -8.4022, 35.0423

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.1170, -23.7217, 95.4904 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(157, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 2, 0)  
}
```

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(157, 2, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 2, 0) }
```

## Border

The CSS property to change the border of an element to YUV 48.1170, -23.7217, 95.4904 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(157, 2, 0) }
```

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

```
.border{ border-color:rgb(157, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(157, 2, 0); box-shadow:4px  
4px 4px 4px rgb(157, 2, 0) }
```



# Background

The CSS property to change the background color of an element to YUV 48.1170, -23.7217, 95.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 2, 0) }
```

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

```
.background{ background-color: rgb(157, 2,  
0) }
```

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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