

# Converting Colors

YUV(78.3910, -23.3638,  
-19.6369)

Have a look what the booklet for  
YUV(78.3910, -23.3638, -19.6369)  
contains.

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# Color

**YUV(78.3910, -23.3638,  
-19.6369)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	38631F
RGB	56, 99, 31
RGB Percent	22%, 39%, 12%
CMY	0.7804, 0.6118, 0.8784
CMYK	0.43, 0.00, 0.69, 0.61
HSL	98°, 52%, 25%
HSV	98°, 69%, 39%
XYZ	6.3400, 9.8634, 2.8660
YIQ	78.3910, -3.8000, -30.2640

# Conversions

## Conversions Part 2

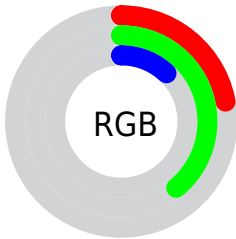
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 99, 74
Decimal	3695391
CIE <sub>Lab</sub>	37.60, -28.24, 32.91
CIE <sub>LCh</sub>	38, 43.368, 130.629
Yxy	9.8634, 0.3325, 0.5172
Android (android.graphics.Color)	4281885471 (0xFF38631F)
YUV	78.3910, -23.3638, -19.6369
Hunter-Lab	31.4060, -18.9260, 16.5736

# Details

The YUV color **78.3910, -23.3638, -19.6369** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **51.6090, 23.3638, 19.6369**, and the grayscale version is **79.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.0490, -24.6742, -19.3370**, and **32.3180, -15.9328, -23.0809** is the 20% darker color. If you saturate the color by 10%, you get **75.4570, -26.8473, -22.3258**, and if you desaturate by 10%, it is **81.3250, -19.8802, -16.9480**.

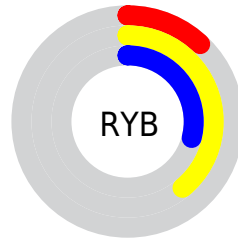
# Distribution



Red (22%)

Green (39%)

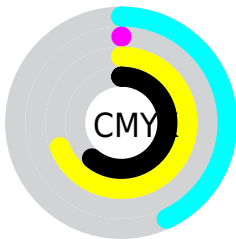
Blue (12%)



Red (12%)

Yellow (39%)

Blue (29%)

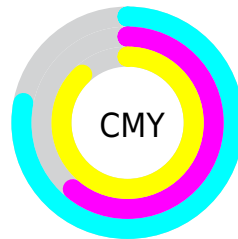


Cyan (43%)

Magenta (0%)

Yellow (69%)

Black (61%)



Cyan (78%)

Magenta (61%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 78.3910, -23.3638, -19.6369 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 78.3910, -23.3638, -19.6369 by changing the saturation by 10% instead.



■ 78.3910, -23.3638,  
-19.6369

■ 78.3910, -23.3638,  
-19.6369

255.0000, 0.0000,  
0.0000

■ 53.9780, -23.6532,  
-20.1517

■ 129.0490,  
-24.6742, -19.3370

■ 32.3180, -15.9328,  
-23.0809

■ 155.5220,  
-25.4003, -19.7518

■ 18.7840, -9.2605,  
-16.4736

■ 182.8810,  
-26.5633, -20.0666

■ 0.0000, 0.0000,  
0.0000

■ 210.4680,  
-26.8527, -20.5814

■ 235.1310,  
-25.7006, -16.7779

■ 246.6950,

-17.5976, -2.3635

253.1760, -6.9888,  
1.5996

78.3910, -23.3638,  
-19.6369

78.3910, -23.3638,  
-19.6369

75.4570, -26.8473,  
-22.3258

81.3250, -19.8802,  
-16.9480

72.2240, -30.1834,  
-25.6294

84.5580, -16.5441,  
-13.6444

69.2900, -33.6670,  
-28.3183

87.4920, -13.0606,  
-10.9555

68.8770, -33.9564,  
-28.8331

90.4260, -9.5770,  
-8.2666

93.3600, -6.0935,  
-5.5777

■ 96.4790, -3.1941,  
-2.1741

■ 99.4130, 0.2894,  
0.5148

■ 102.3470, 3.7729,  
3.2037

■ 105.2810, 7.2565,  
5.8926

# Harmonies

## Analogous

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



82.7340, -36.8439, 10.7573



78.3910, -23.3638, -19.6369



68.3440, -2.1416, -59.9377

# Triad

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



78.3910, -23.3638, -19.6369



75.6690, 38.6172, -66.3617



85.9240, -4.3995, 57.9487

# Complementary

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



78.3910, -23.3638, -19.6369



51.6090, 23.3638, 19.6369

# 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.



89.3750, 11.6471, 44.3981



78.3910, -23.3638, -19.6369



80.4320, 38.2410, -38.9669

# Square

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



78.3910, -23.3638, -19.6369



76.2100, 27.9975, -66.8362



91.3200, 24.9852, 12.8744



85.9390, -20.6759, 51.7965



# Rectangle

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



78.3910, -23.3638, -19.6369



71.6670, 8.0522, -62.8520



91.3200, 24.9852, 12.8744



86.6940, 1.1369, 55.5194

# Sweetspot

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



78.3910, -23.3638, -19.6369



119.8390, -9.2876, -7.7518



75.9860, -22.1781, 20.1833



59.1860, -5.5147, -4.5481



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



78.3910, -23.3638, -19.6369



95.9970, -35.9875, -30.6924



71.8280, -16.1842, -35.8062



46.6470, -1.3050, -1.4444



78.0030, -38.4555, -32.4516



167.1920, -82.4257, -69.4514



# Inverse Universe

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



51.6090, 23.3638, 19.6369



54.7040, 36.1349, 30.0776



58.1720, 16.1842, 35.8062



45.3530, 1.3050, 1.4444



33.9970, 38.4555, 32.4516



72.8080, 82.4257, 69.4514



# Previews

## White Background



This preview shows how the YUV color 78.3910, -23.3638, -19.6369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

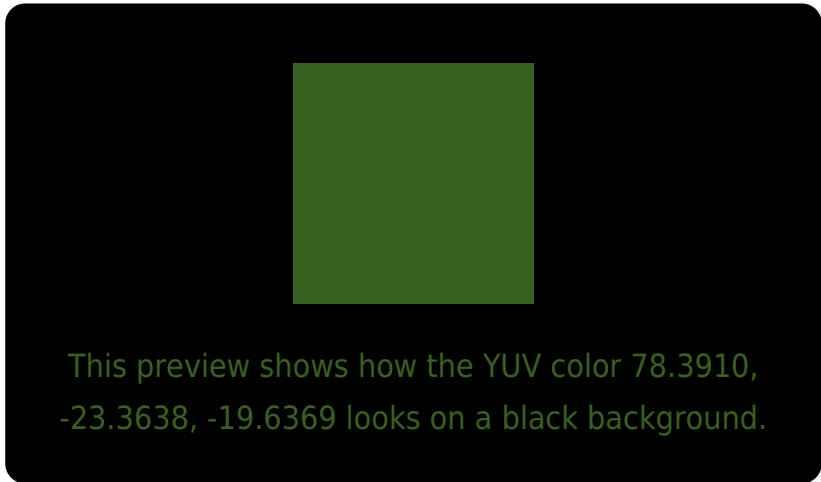
Any Text WCAG AA ✓ Pass

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

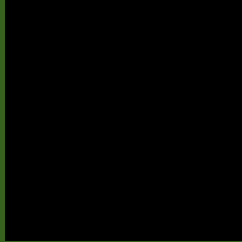
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 78.3910, -23.3638, -19.6369

## Background



This preview shows how black text looks on a background with the YUV color 78.3910, -23.3638, -19.6369.



This preview shows how white text looks on a background with the YUV color 78.3910, -23.3638, -19.6369.

-19.6369.

# 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

78.3910, -23.3638, -19.6369

### Protanopia

84.4490, -27.8294, 12.7612

### Deuteranopia

86.3020, -24.7989, 20.7831



## Tritanopia

85.4370, 7.1796, -16.1692

# Trichromacy



## Original Color

78.3910, -23.3638, -19.6369

## Protanomaly

82.1270, -26.1916, 0.7656

## Deuteranomaly

83.0290, -24.1713, 6.1136

## Tritanomaly

83.1520, -4.0189, -17.6733

# Monochromacy



## Original Color

78.3910, -23.3638, -19.6369

## Achromatopsia

78.0000, 0.0000, 0.0000

## Achromatomaly

78.3660, -8.5614, -7.3370

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 78.3910, -23.3638, -19.6369 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(56, 99, 31)` looks like.

```
.text, #text, p{  
    color:rgb(56, 99, 31)  
}
```

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(56, 99, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 99, 31) }
```

## Border

The CSS property to change the border of an element to YUV 78.3910, -23.3638, -19.6369 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(56, 99, 31) }
```



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

```
.border{ border-color:rgb(56, 99, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 99, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 99, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 99, 31);  
box-shadow:4px 4px 4px 4px rgb(56, 99, 31)  
}
```

# Background

The CSS property to change the background color of an element to YUV 78.3910, -23.3638, -19.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 99, 31) }
```

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

```
.background{ background-color: rgb(56, 99,  
31) }
```

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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