

# Converting Colors

YUV(106.7890, -37.3640,  
-55.9430)

Have a look what the booklet for  
YUV(106.7890, -37.3640, -55.9430)  
contains.

<b>YUV(106.7890, -37.3640, -55.9430)</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(106.7890, -37.3640,  
-55.9430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B9A1F
RGB	43, 154, 31
RGB Percent	17%, 60%, 12%
CMY	0.8314, 0.3961, 0.8784
CMYK	0.72, 0.00, 0.80, 0.40
HSL	114°, 66%, 36%
HSV	114°, 80%, 60%
XYZ	12.7992, 23.7237, 5.2009
YIQ	106.7890, -26.6730, -61.7850

# Conversions

## Conversions Part 2

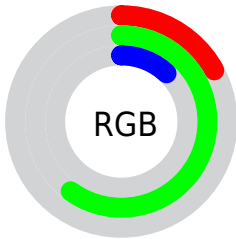
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 154, 142
Decimal	2857503
CIE <sub>Lab</sub>	55.81, -53.24, 51.24
CIE <sub>LCh</sub>	56, 73.898, 136.097
Yxy	23.7237, 0.3068, 0.5686
Android (android.graphics.Color)	4281047583 (0xFF2B9A1F)
YUV	106.7890, -37.3640, -55.9430
Hunter-Lab	48.7070, -38.3312, 27.7640

# Details

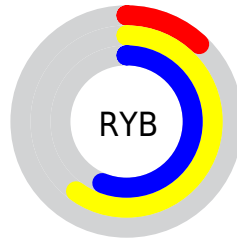
The YUV color **106.7890, -37.3640, -55.9430** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **78.2110, 37.3640, 55.9430**, and the grayscale version is **107.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **164.1810, -38.5432, -51.0247**, and **59.2870, -29.2285, -51.9947** is the 20% darker color. If you saturate the color by 10%, you get **100.8930, -41.8522, -63.0502**, and if you desaturate by 10%, it is **112.6850, -32.8757, -48.8357**.

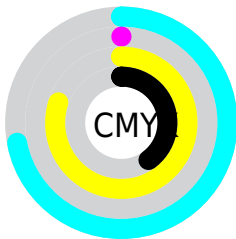
# Distribution



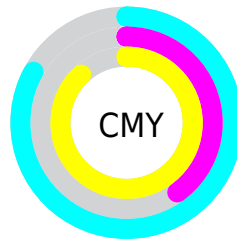
- Red (17%)
- Green (60%)
- Blue (12%)



- Red (12%)
- Yellow (60%)
- Blue (56%)



- Cyan (72%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)



- Cyan (83%)
- Magenta (40%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 106.7890, -37.3640, -55.9430 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 106.7890, -37.3640, -55.9430 by changing the saturation by 10% instead.



■ 106.7890,  
-37.3640, -55.9430

■ 106.7890,  
-37.3640, -55.9430

255.0000, 0.0000,  
0.0000

■ 74.5490, -36.7527,  
-65.3795

■ 164.1810,  
-38.5432, -51.0247

■ 59.2870, -29.2285,  
-51.9947

■ 192.8390,  
-39.8536, -50.7248

■ 44.6120, -21.9937,  
-39.1247

■ 214.5670,  
-37.2545, -44.3473

■ 31.1110, -15.3377,  
-27.2843

■ 226.4300,  
-29.2990, -29.3181

■ 17.0230, -8.3923,  
-14.9292

■ 238.5920,  
-21.4909, -13.6742

■ 0.0000, 0.0000,  
0.0000

■ 250.7540,

-13.6827, 1.9697

254.6580, -1.3104,  
0.2999

■ 106.7890,  
-37.3640, -55.9430

■ 106.7890,  
-37.3640, -55.9430

■ 100.8930,  
-41.8522, -63.0502

■ 112.6850,  
-32.8757, -48.8357

■ 94.8830, -46.7773,  
-70.0574

■ 118.6950,  
-27.9506, -41.8285

■ 124.5910,  
-23.4624, -34.7213

■ 130.6010,  
-18.5373, -27.7141

■ 136.1980,  
-13.9016, -21.2216

■ 142.0940, -9.4133,  
-14.1144

■ 148.1040, -4.4883,  
-7.1072

■ 154.0000, 0.0000,  
0.0000

■ 160.0100, 4.9251,  
7.0072

# Harmonies

## Analogous

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



121.3380, -59.8196, 6.7196



106.7890, -37.3640, -55.9430



105.4340, -2.1860, -92.4656

# Triad

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



106.7890, -37.3640, -55.9430



117.1200, 67.9748, -102.7142



120.4020, -9.0722, 110.1494

# Complementary

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



106.7890, -37.3640, -55.9430



78.2110, 37.3640, 55.9430

# 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.



126.4470, 19.4996, 92.5700



106.7890, -37.3640, -55.9430



116.7420, 68.1612, -69.0567

# Square

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



106.7890, -37.3640, -55.9430



119.6840, 52.4138, -104.9629



136.8710, 42.9546, 36.0701



124.7900, -41.3085, 89.6382



# Rectangle

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



106.7890, -37.3640, -55.9430



111.7380, 16.8912, -97.9942



136.8710, 42.9546, 36.0701



120.1490, 1.4055, 109.4943

# Sweetspot

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



106.7890, -37.3640, -55.9430



182.6710, -14.6278, -21.6365



132.9340, -50.2535, 18.4749



90.5070, -9.1240, -13.5996



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.



106.7890, -37.3640, -55.9430



126.9720, -58.6532, -87.6754



108.7870, -14.1920, -68.2192



73.9950, -2.4625, -3.5036



86.3660, -42.5784, -63.4650



7.9300, -3.9095, -6.0776



# Inverse Universe

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



78.2110, 37.3640, 55.9430



82.3270, 58.5058, 88.2902



76.2130, 14.1920, 68.2192



72.0050, 2.4625, 3.5036



53.9330, 42.4310, 64.0798



5.0700, 3.9095, 6.0776



# Previews

## White Background



This preview shows how the YUV color 106.7890, -37.3640, -55.9430 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 YUV color 106.7890, -37.3640, -55.9430 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](#).

# YUV 106.7890, -37.3640, -55.9430 Background



This preview shows how black text looks on a background with the YUV color 106.7890, -37.3640, -55.9430.



This preview shows how white text looks on a background with the YUV color 106.7890, -37.3640, -55.9430.

-55.9430.

# 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

106.7890, -37.3640, -55.9430

### Protanopia

125.5860, -49.0959, 20.5341

### Deuteranopia

128.6120, -41.7137, 32.7893



## Tritanopia

124.0360, 15.2653, -43.0046

# Trichromacy



## Original Color

106.7890, -37.3640, -55.9430

## Protanomaly

118.8490, -44.7886, -7.7606

## Deuteranomaly

120.4570, -40.1583, 0.4762

## Tritanomaly

117.6660, -3.7793, -47.9421

# Monochromacy



## Original Color

106.7890, -37.3640, -55.9430

## Achromatopsia

107.0000, 0.0000, 0.0000

## Achromatomaly

106.9100, -13.7596, -20.0921

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 106.7890, -37.3640, -55.9430 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(43, 154, 31)` looks like.

```
.text, #text, p{  
    color:rgb(43, 154, 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(43, 154, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 154, 31) }
```

## Border

The CSS property to change the border of an element to YUV 106.7890, -37.3640, -55.9430 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(43, 154, 31) }
```



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

```
.border{ border-color:rgb(43, 154, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 154, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 154, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 154, 31);  
box-shadow:4px 4px 4px 4px rgb(43, 154,  
31) }
```

# Background

The CSS property to change the background color of an element to YUV 106.7890, -37.3640, -55.9430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 154, 31) }
```

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

```
.background{ background-color: rgb(43, 154,  
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](#).

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