

# Converting Colors

YUV(47.6770, -13.6448,  
-10.2407)

Have a look what the booklet for  
YUV(47.6770, -13.6448, -10.2407)  
contains.

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# Color

**YUV(47.6770, -13.6448,  
-10.2407)**

# Conversions

Conversions Part 1	
Format	Color
Hex	243B14
RGB	36, 59, 20
RGB Percent	14%, 23%, 8%
CMY	0.8588, 0.7686, 0.9216
CMYK	0.39, 0.00, 0.66, 0.77
HSL	95°, 49%, 15%
HSV	95°, 66%, 23%
XYZ	2.4178, 3.5535, 1.2203
YIQ	47.6770, -1.1890, -17.0050

# Conversions

## Conversions Part 2

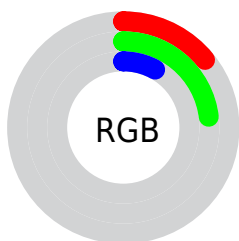
Format	Color
<a href="#">RYB</a>	<a href="#">20, 59, 43</a>
Decimal	<a href="#">2374420</a>
CIELab	<a href="#">22.14, -17.33, 21.00</a>
CIELCh	<a href="#">22, 27.226, 129.542</a>
Yxy	<a href="#">3.5535, 0.3362, 0.4941</a>
Android (android.graphics.Color)	<a href="#">4280564500</a> (0xFF243B14)
YUV	<a href="#">47.6770, -13.6448, -10.2407</a>
Hunter-Lab	<a href="#">18.8507, -10.0945, 9.3574</a>

# Details

The YUV color **47.6770, -13.6448, -10.2407** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **31.3230, 13.6448, 10.2407**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.3350, -14.9552, -9.9408**, and **8.2180, -4.0515, -7.2072** is the 20% darker color. If you saturate the color by 10%, you get **46.0960, -15.8233, -11.4852**, and if you desaturate by 10%, it is **49.2580, -11.4662, -8.9963**.

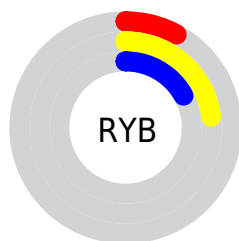
# Distribution



Red (14%)

Green (23%)

Blue (8%)



Red (8%)

Yellow (23%)

Blue (17%)

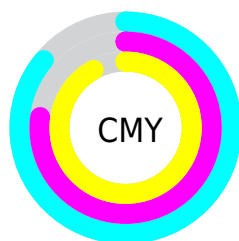


Cyan (39%)

Magenta (0%)

Yellow (66%)

Black (77%)



Cyan (86%)

Magenta (77%)

Yellow (92%)


# Brightness & Saturation


## Gradients


These gradients show how the YUV color 47.6770, -13.6448, -10.2407 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 47.6770, -13.6448, -10.2407 by changing the saturation by 10% instead.





 47.6770, -13.6448,  
-10.2407


 47.6770, -13.6448,  
-10.2407


 254.2020, -3.0576,  
0.6998


 26.8020, -13.2134,  
-8.5964


 94.3350, -14.9552,  
-9.9408


 8.2180, -4.0515,  
-7.2072

 119.5090,  
-15.5339, -10.9704

 0.0000, 0.0000,  
0.0000


 145.2810,  
-16.4075, -10.7704


 171.8680,  
-16.6969, -11.2852


 199.3410,  
-17.4231, -11.7001


 227.3410,


-17.4231, -11.7001


 247.4220,  
-13.5190, -3.8781


 47.6770, -13.6448,  
-10.2407


 47.6770, -13.6448,  
-10.2407


 46.0960, -15.8233,  
-11.4852


 49.2580, -11.4662,  
-8.9963


 44.2160, -17.8545,  
-13.3444


 51.1380, -9.4350,  
-7.1370

 42.6350, -20.0331,  
-14.5889

 52.7190, -7.2565,  
-5.8926

 41.8090, -20.6118,  
-15.6185

 54.5990, -5.2253,  
-4.0333

 56.0660, -3.4835,  
-2.6889

■ 57.9460, -1.4524,  
-0.8296

■ 59.5270, 0.7262,  
0.4148

■ 61.4070, 2.7573,  
2.2741

■ 62.9880, 4.9359,  
3.5185

# Harmonies

## Analogous

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



50.0660, -20.2455, 6.9581



47.6770, -13.6448, -10.2407



40.7260, -1.3439, -35.7167

# Triad

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



47.6770, -13.6448, -10.2407



45.0070, 22.6745, -39.4711



52.8130, -2.8658, 32.6130

# Complementary

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



47.6770, -13.6448, -10.2407



31.3230, 13.6448, 10.2407

# 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.



53.9890, 6.9074, 24.5656



47.6770, -13.6448, -10.2407



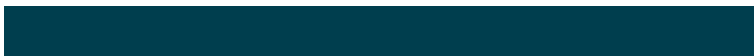
49.4870, 21.4519, -20.5981

# Square

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



47.6770, -13.6448, -10.2407



45.2860, 16.1280, -39.7158



54.5290, 14.5292, 6.5521



52.0980, -11.8803, 30.6091



# Rectangle

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



47.6770, -13.6448, -10.2407



42.9090, 4.4819, -37.6312



54.5290, 14.5292, 6.5521



53.3120, 0.3392, 31.2984

# Sweetspot

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



47.6770, -13.6448, -10.2407



72.1860, -5.5147, -4.5481



45.1620, -12.4049, 12.1359



35.4790, -3.1941, -2.1741



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



47.6770, -13.6448, -10.2407



59.2820, -21.3380, -16.0333



43.2350, -9.9759, -20.3771



30.0600, -1.0156, -0.9296



66.8390, -32.9516, -24.4148



157.5230, -77.6588, -58.3407



# Inverse Universe

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



31.3230, 13.6448, 10.2407



33.7180, 21.3380, 16.0333



35.7650, 9.9759, 20.3771



28.6410, 1.1630, 0.3148



27.4600, 32.8042, 25.0296

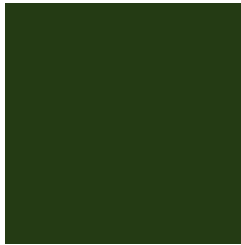


64.4770, 77.6588, 58.3407



# Previews

## White Background



This preview shows how the YUV color 47.6770, -13.6448, -10.2407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

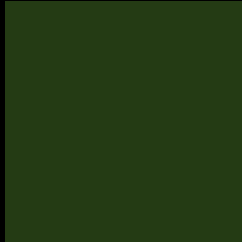
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 47.6770, -13.6448, -10.2407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

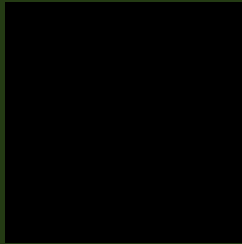
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 47.6770, -13.6448, -10.2407**

## **Background**



This preview shows how black text looks on a background with the YUV color 47.6770, -13.6448, -10.2407.



This preview shows how white text looks on a background with the YUV color 47.6770, -13.6448, -10.2407.

-10.2407.

# 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

47.6770, -13.6448, -10.2407

### Protanopia

50.8040, -16.1724, 7.1879

### Deuteranopia

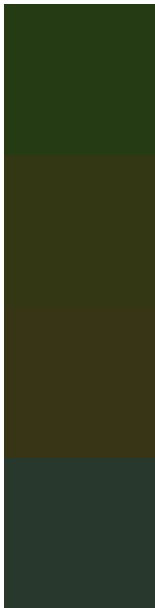
51.7060, -14.1521, 12.5358



## Tritanopia

51.6830, 4.1003, -8.4920

# Trichromacy



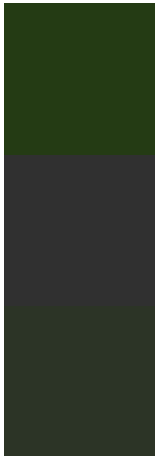
**Original Color**  
47.6770, -13.6448, -10.2407

**Protanomaly**  
49.7000, -15.1351, 1.1401

**Deuteranomaly**  
50.0640, -13.8356, 4.3289

**Tritanomaly**  
49.9620, -2.4463, -8.7367

# Monochromacy



**Original Color**  
47.6770, -13.6448, -10.2407

**Achromatopsia**  
48.0000, 0.0000, 0.0000

**Achromatomaly**  
48.0120, -4.9359, -3.5185

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.6770, -13.6448, -10.2407 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(36, 59, 20)` looks like.

```
.text, #text, p{  
    color:rgb(36, 59, 20)  
}
```

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(36, 59, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 59, 20) }
```

## Border

The CSS property to change the border of an element to YUV 47.6770, -13.6448, -10.2407 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(36, 59, 20) }
```



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

```
.border{ border-color:rgb(36, 59, 20) }
```

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

Here you see how a box with a 4 pixel rgb(36, 59, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 59, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 59, 20);  
box-shadow:4px 4px 4px 4px rgb(36, 59, 20)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.6770, -13.6448, -10.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 59, 20) }
```

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

```
.background{ background-color: rgb(36, 59,  
20) }
```

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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