

# Converting Colors

YUV(48.7070, 14.4414,  
-12.0210)

Have a look what the booklet for  
YUV(48.7070, 14.4414, -12.0210)  
contains.

<b>YUV(48.7070, 14.4414, -12.0210)</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(48.7070, 14.4414,  
-12.0210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23324E
RGB	35, 50, 78
RGB Percent	14%, 20%, 31%
CMY	0.8627, 0.8039, 0.6941
CMYK	0.55, 0.36, 0.00, 0.69
HSL	219°, 38%, 22%
HSV	219°, 55%, 31%
XYZ	3.2089, 3.1886, 7.6541
YIQ	48.7070, -17.9280, 5.5280

# Conversions

## Conversions Part 2

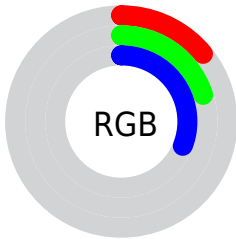
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 46, 78
Decimal	2306638
CIELab	20.78, 3.05, -19.12
CIElCh	21, 19.363, 279.060
Yxy	3.1886, 0.2284, 0.2269
Android (android.graphics.Color)	4280496718 (0xFF23324E)
YUV	48.7070, 14.4414, -12.0210
Hunter-Lab	17.8566, 0.8279, -12.9144

# Details

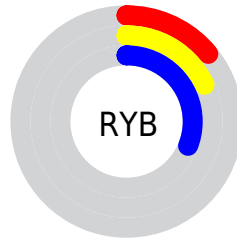
The YUV color **48.7070, 14.4414, -12.0210** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **64.2930, -14.4414, 12.0210**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.6470, 15.4570, -11.0914**, and **5.0500, 14.2723, -4.4289** is the 20% darker color. If you saturate the color by 10%, you get **43.3800, 17.0677, -14.3653**, and if you desaturate by 10%, it is **54.0340, 11.8152, -9.6768**.

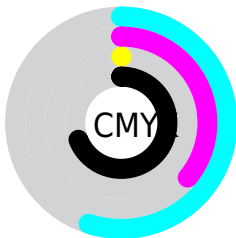
# Distribution



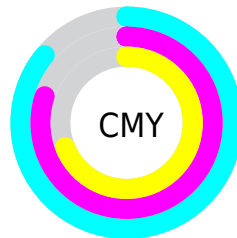
- Red (14%)
- Green (20%)
- Blue (31%)



- Red (14%)
- Yellow (18%)
- Blue (31%)



- Cyan (55%)
- Magenta (36%)
- Yellow (0%)
- Black (69%)



- Cyan (86%)
- Magenta (80%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.7070, 14.4414, -12.0210 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 48.7070, 14.4414, -12.0210 by changing the saturation by 10% instead.



■ 48.7070, 14.4414,  
-12.0210

■ 48.7070, 14.4414,  
-12.0210

■ 255.0000, 0.0000,  
0.0000

■ 26.2830, 14.1575,  
-14.2802

■ 95.6470, 15.4570,  
-11.0914

■ 5.0500, 14.2723,  
-4.4289

■ 120.7610, 15.8938,  
-11.1914

■ 0.9120, 3.4944,  
-0.7998

■ 145.9890, 16.7674,  
-11.3914

■ 0.0000, 0.0000,  
0.0000

■ 173.1030, 17.2042,  
-11.4913

■ 200.2170, 17.6410,  
-11.5913

■ 227.1910, 13.7098,

-10.6915

■ 251.7110, 1.6215,  
-6.7625

■ 48.7070, 14.4414,  
-12.0210

■ 48.7070, 14.4414,  
-12.0210

■ 43.3800, 17.0677,  
-14.3653

■ 54.0340, 11.8152,  
-9.6768

■ 38.0530, 19.6939,  
-16.7095

■ 59.3610, 9.1890,  
-7.3326

■ 33.0250, 22.1727,  
-18.4389

■ 64.3890, 6.7102,  
-5.6032

■ 27.6980, 24.7989,  
-20.7831

■ 69.7160, 4.0840,  
-3.2589

■ 24.7410, 26.2567,  
-21.6979

■ 75.0430, 1.4578,  
-0.9147

■ 80.3700, -1.1684,  
1.4295

■ 86.2840, -4.0840,  
3.2589

■ 91.3120, -6.5628,  
4.9884

■ 96.6390, -9.1890,  
7.3326

# Harmonies

## Analogous

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



40.3620, 17.5695, -35.3975



48.7070, 14.4414, -12.0210



51.6660, 10.0247, 4.6779

# Triad

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



48.7070, 14.4414, -12.0210



50.2540, -8.5062, 21.7022



43.8850, -2.4083, -20.9471

# Complementary

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



48.7070, 14.4414, -12.0210



64.2930, -14.4414, 12.0210

# 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.



46.4370, -9.5824, -6.5222



48.7070, 14.4414, -12.0210



49.6570, -13.1419, 15.2098

# Square

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



48.7070, 14.4414, -12.0210



50.5730, -2.2545, 23.1765



48.7760, -13.6936, 5.4584



39.6150, 7.0918, -34.7424



# Rectangle

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



48.7070, 14.4414, -12.0210



51.5100, 6.6506, 13.5847



48.7760, -13.6936, 5.4584



44.9350, -4.8980, -15.7290

# Sweetspot

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



48.7070, 14.4414, -12.0210



90.4600, 5.6892, -4.7884



63.4330, -0.2135, -24.9357



43.9010, 3.4998, -2.5442



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000



# Same Dimension

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



48.7070, 14.4414, -12.0210



56.1390, 22.6095, -18.5389



41.6960, 17.8979, -0.6104



35.6300, 1.1684, -1.4295



32.7600, 34.1353, -28.7305



73.1800, 77.3123, -64.1789



# Inverse Universe

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



49.5670, 0.2135, 24.9357



57.6550, 0.1701, 38.8906



71.3040, -17.8979, 0.6104



35.4240, 0.2840, 2.2592



34.6020, 0.6892, 59.1080



77.8900, 1.0402, 133.4005



# Previews

## White Background



This preview shows how the YUV color 48.7070, 14.4414, -12.0210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

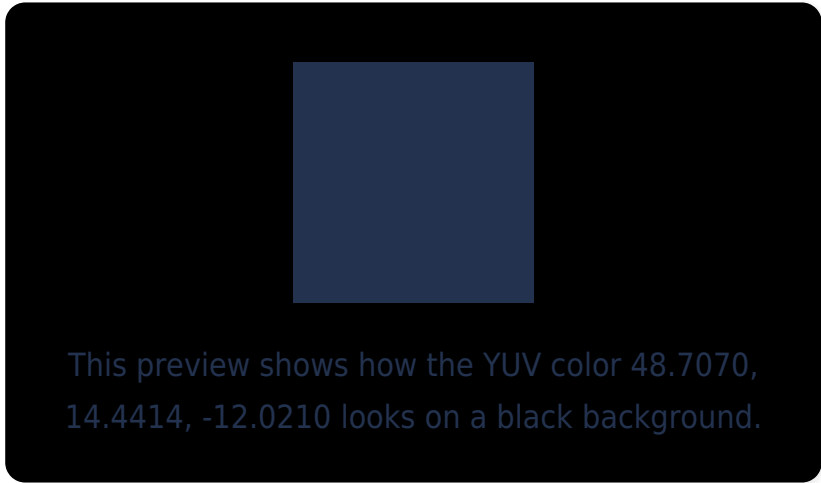
Any Text WCAG AA ✓ Pass

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 48.7070, 14.4414, -12.0210

## Background



This preview shows how black text looks on a background with the YUV color 48.7070, 14.4414, -12.0210.



This preview shows how white text looks on a background with the YUV color 48.7070, 14.4414,



# 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

48.7070, 14.4414, -12.0210

### Protanopia

49.5010, 13.5570, -8.3324

### Deuteranopia

48.7070, 14.4414, -12.0210



## Tritanopia

46.6820, 5.5798, -16.3841

# Trichromacy



## Original Color

48.7070, 14.4414, -12.0210

## Protanomaly

48.9030, 13.8518, -9.5619

## Deuteranomaly

48.7070, 14.4414, -12.0210

## Tritanomaly

47.7900, 8.4845, -14.7248

# Monochromacy



## Original Color

48.7070, 14.4414, -12.0210

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.7590, 5.5418, -4.1736

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.7070, 14.4414, -12.0210 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(35, 50, 78)` looks like.

```
.text, #text, p{  
    color:rgb(35, 50, 78)  
}
```

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(35, 50, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 50, 78) }
```

## Border

The CSS property to change the border of an element to YUV 48.7070, 14.4414, -12.0210 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(35, 50, 78) }
```



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

```
.border{ border-color:rgb(35, 50, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 50, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 50, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 50, 78);  
box-shadow:4px 4px 4px 4px rgb(35, 50, 78)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.7070, 14.4414, -12.0210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 50, 78) }
```

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

```
.background{ background-color: rgb(35, 50,  
78) }
```

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