

# Converting Colors

YUV(37.9010, 20.2618,  
-12.1912)

Have a look what the booklet for  
YUV(37.9010, 20.2618, -12.1912)  
contains.

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# Color

**YUV(37.9010, 20.2618,  
-12.1912)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	18254F
RGB	24, 37, 79
RGB Percent	9%, 15%, 31%
CMY	0.9059, 0.8549, 0.6902
CMYK	0.70, 0.53, 0.00, 0.69
HSL	226°, 53%, 20%
HSV	226°, 70%, 31%
XYZ	2.4495, 2.0818, 7.6699
YIQ	37.9010, -21.2300, 10.3060

# Conversions

## Conversions Part 2

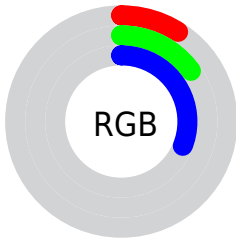
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 35, 79
Decimal	1582415
CIE <sub>Lab</sub>	15.91, 10.14, -27.58
CIE <sub>LCh</sub>	16, 29.386, 290.192
Yxy	2.0818, 0.2008, 0.1706
Android (android.graphics.Color)	4279772495 (0xFF18254F)
YUV	37.9010, 20.2618, -12.1912
Hunter-Lab	14.4286, 5.0539, -21.4171

# Details

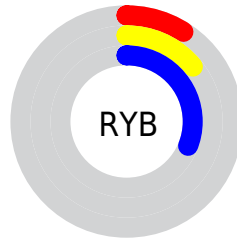
The YUV color **37.9010, 20.2618, -12.1912** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **65.0990, -20.2618, 12.1912**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.3790, 21.9982, -9.1024**, and **5.0500, 14.2723, -4.4289** is the 20% darker color. If you saturate the color by 10%, you get **31.9870, 23.1774, -14.0206**, and if you desaturate by 10%, it is **43.8150, 17.3462, -10.3618**.

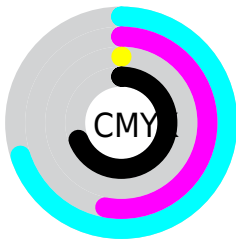
# Distribution



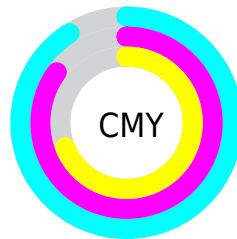
- Red (9%)
- Green (15%)
- Blue (31%)



- Red (9%)
- Yellow (14%)
- Blue (31%)



- Cyan (70%)
- Magenta (53%)
- Yellow (0%)
- Black (69%)



- Cyan (91%)
- Magenta (85%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.9010, 20.2618, -12.1912 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 37.9010, 20.2618, -12.1912 by changing the saturation by 10% instead.



■ 37.9010, 20.2618,  
-12.1912

■ 37.9010, 20.2618,  
-12.1912

■ 255.0000, 0.0000,  
0.0000

■ 16.3630, 19.5410,  
-14.3504

■ 84.3790, 21.9982,  
-9.1024

■ 5.0500, 14.2723,  
-4.4289

■ 108.9060, 22.7243,  
-8.6876

■ 0.9120, 3.4944,  
-0.7998

■ 134.4330, 23.4505,  
-8.2727

■ 0.0000, 0.0000,  
0.0000

■ 160.8460, 23.7399,  
-7.7579

■ 188.0740, 24.6135,  
-7.9579

■ 214.8200, 19.8087,

-6.8581

239.9270, 7.4310,  
-3.4440

37.9010, 20.2618,  
-12.1912

37.9010, 20.2618,  
-12.1912

31.9870, 23.1774,  
-14.0206

43.8150, 17.3462,  
-10.3618

26.0730, 26.0930,  
-15.8500

49.7290, 14.4306,  
-8.5323

20.1590, 29.0086,  
-17.6794

55.6430, 11.5150,  
-6.7029

61.5570, 8.5994,  
-4.8735

67.4710, 5.6838,  
-3.0441

■ 73.0860, 2.9156,  
-1.8294

■ 79.0000, 0.0000,  
0.0000

■ 84.9140, -2.9156,  
1.8294

■ 90.8280, -5.8312,  
3.6588

# Harmonies

## Analogous

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



35.0620, 22.6474, -30.7494



37.9010, 20.2618, -12.1912



40.8290, 12.9023, 15.0590

# Triad

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



37.9010, 20.2618, -12.1912



37.1210, -16.8217, 28.8349



32.4110, -0.2026, -28.4244

# Complementary

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



37.9010, 20.2618, -12.1912



65.0990, -20.2618, 12.1912

# 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.



31.0070, -10.8495, -20.1771



37.9010, 20.2618, -12.1912



37.8760, -18.6729, 15.8947

# Square

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



37.9010, 20.2618, -12.1912



36.9550, -4.9078, 34.2425



36.6030, -18.0453, 1.2252



34.8050, 8.9701, -30.5240



# Rectangle

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



37.9010, 20.2618, -12.1912



39.4130, 7.1914, 26.8248



36.6030, -18.0453, 1.2252



31.0260, -2.9708, -27.2098

# Sweetspot

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



37.9010, 20.2618, -12.1912



86.3290, 7.7258, -4.6735



60.9590, 1.9922, -32.4130



41.2430, 4.8102, -2.8441



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.



37.9010, 20.2618, -12.1912



38.1310, 31.4874, -19.4089



34.4560, 21.9602, 3.1081



35.0430, 1.4578, -0.9147



25.7160, 37.6080, -22.5529



57.9180, 84.8364, -50.7941



# Inverse Universe

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



41.9270, -2.4290, 32.5130



44.1080, -3.5042, 50.7713



68.5440, -21.9602, -3.1081



35.3100, -0.1528, 2.3591



33.2340, -4.5524, 60.3078



74.9260, -10.3165, 135.9999



# Previews

## White Background



This preview shows how the YUV color 37.9010, 20.2618, -12.1912 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

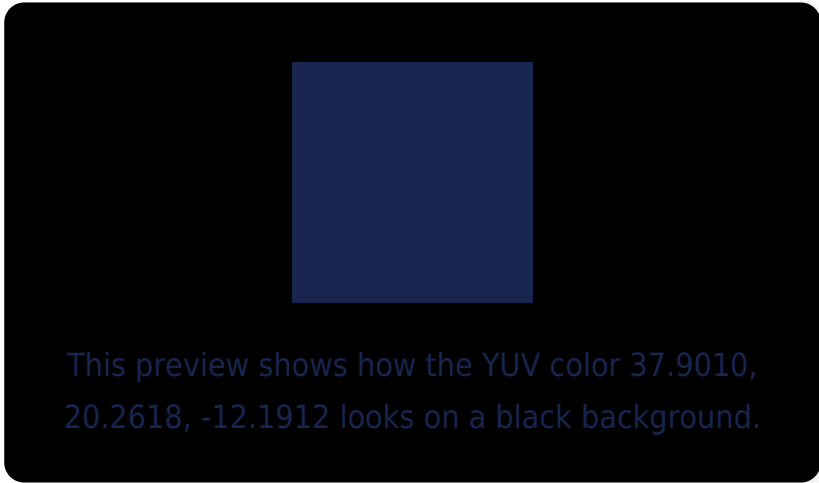
Any Text WCAG AA ✓ Pass

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

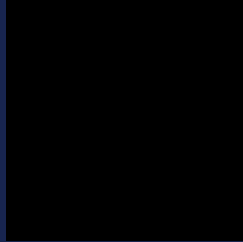
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 37.9010, 20.2618, -12.1912

## Background



This preview shows how black text looks on a background with the YUV color 37.9010, 20.2618, -12.1912.



This preview shows how white text looks on a background with the YUV color 37.9010, 20.2618,

-12.1912.

# 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

37.9010, 20.2618, -12.1912

### Protanopia

34.2310, 23.0571, -22.1276

### Deuteranopia

32.1610, 19.1476, -28.2052



## Tritanopia

31.3000, 8.2331, -27.4501

# Trichromacy



## Original Color

37.9010, 20.2618, -12.1912

## Protanomaly

35.6120, 21.8833, -18.9537

## Deuteranomaly

34.6070, 19.4207, -22.4573

## Tritanomaly

33.4840, 12.5794, -21.4725

# Monochromacy



## Original Color

37.9010, 20.2618, -12.1912

## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

38.2150, 7.2890, -4.5736

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.9010, 20.2618, -12.1912 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(24, 37, 79)` looks like.

```
.text, #text, p{  
    color:rgb(24, 37, 79)  
}
```

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(24, 37, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 37, 79) }
```

## Border

The CSS property to change the border of an element to YUV 37.9010, 20.2618, -12.1912 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(24, 37, 79) }
```



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

```
.border{ border-color:rgb(24, 37, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 37, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 37, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 37, 79);  
box-shadow:4px 4px 4px 4px rgb(24, 37, 79)  
}
```

# Background

The CSS property to change the background color of an element to YUV 37.9010, 20.2618, -12.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 37, 79) }
```

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

```
.background{ background-color: rgb(24, 37,  
79) }
```

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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