

# Converting Colors

YUV(47.5390, 12.5523,  
-12.7507)

Have a look what the booklet for  
YUV(47.5390, 12.5523, -12.7507)  
contains.

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# Color

**YUV(47.5390, 12.5523,  
-12.7507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	213249
RGB	33, 50, 73
RGB Percent	13%, 20%, 29%
CMY	0.8706, 0.8039, 0.7137
CMYK	0.55, 0.32, 0.00, 0.71
HSL	214°, 38%, 21%
HSV	214°, 55%, 29%
XYZ	2.9704, 3.0856, 6.7423
YIQ	47.5390, -17.5150, 3.5490

# Conversions

## Conversions Part 2

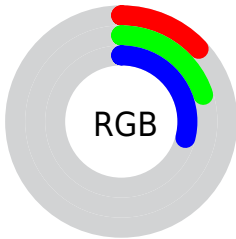
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 45, 73
Decimal	2175561
CIELab	20.38, 0.67, -16.39
CIELCh	20, 16.409, 272.334
Yxy	3.0856, 0.2321, 0.2411
Android (android.graphics.Color)	4280365641 (0xFF213249)
YUV	47.5390, 12.5523, -12.7507
Hunter-Lab	17.5658, -0.5556, -10.4614

# Details

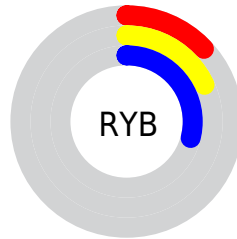
The YUV color **47.5390, 12.5523, -12.7507** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **58.4610, -12.5523, 12.7507**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.1800, 13.7153, -12.4359**, and **4.5940, 12.5252, -4.0289** is the 20% darker color. If you saturate the color by 10%, you get **43.0980, 14.7417, -14.9949**, and if you desaturate by 10%, it is **51.9800, 10.3629, -10.5065**.

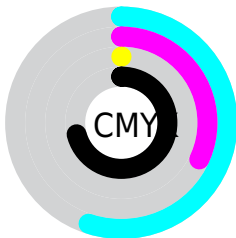
# Distribution



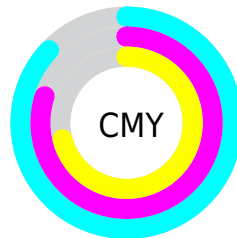
- Red (13%)
- Green (20%)
- Blue (29%)



- Red (13%)
- Yellow (18%)
- Blue (29%)



- Cyan (55%)
- Magenta (32%)
- Yellow (0%)
- Black (71%)



- Cyan (87%)
- Magenta (80%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.5390, 12.5523, -12.7507 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 47.5390, 12.5523, -12.7507 by changing the saturation by 10% instead.



■ 47.5390, 12.5523,  
-12.7507

■ 47.5390, 12.5523,  
-12.7507

■ 255.0000, 0.0000,  
0.0000

■ 25.4140, 12.1209,  
-14.3951

■ 94.1800, 13.7153,  
-12.4359

■ 4.5940, 12.5252,  
-4.0289

■ 119.2940, 14.1521,  
-12.5358

■ 0.0000, 0.0000,  
0.0000

■ 144.7070, 14.4414,  
-12.0210

■ 171.5220, 15.0257,  
-12.7358

■ 198.6360, 15.4625,  
-12.8358

■ 226.2940, 14.1521,

-12.5358

250.8140, 2.0637,  
-8.6069

47.5390, 12.5523,  
-12.7507

47.5390, 12.5523,  
-12.7507

43.0980, 14.7417,  
-14.9949

51.9800, 10.3629,  
-10.5065

38.3580, 17.0785,  
-17.8540

56.7200, 8.0260,  
-7.6474

33.3300, 19.5573,  
-19.5834

61.7480, 5.5472,  
-5.9180

28.8890, 21.7467,  
-21.8277

66.1890, 3.3578,  
-3.6738

26.5190, 22.9151,  
-23.2572

70.9290, 1.0210,  
-0.8147

■ 75.3700, -1.1684,  
1.4295

■ 79.8110, -3.3578,  
3.6738

■ 84.8390, -5.8366,  
5.4032

■ 89.5790, -8.1734,  
8.2622

# Harmonies

## Analogous

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



42.0810, 13.7641, -28.1350



47.5390, 12.5523, -12.7507



50.4160, 9.1619, 1.3892

# Triad

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



47.5390, 12.5523, -12.7507



49.8130, -6.3168, 19.4580



45.2880, -3.5930, -14.2846

# Complementary

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



47.5390, 12.5523, -12.7507



58.4610, -12.5523, 12.7507

# 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.



46.5730, -9.1565, -3.1335



47.5390, 12.5523, -12.7507



49.3410, -10.5211, 14.6099

# Square

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



47.5390, 12.5523, -12.7507



50.5940, -0.7858, 18.7731



48.3570, -11.5150, 6.7029



42.1600, 3.8651, -26.4503



# Rectangle

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



47.5390, 12.5523, -12.7507



50.7760, 6.5194, 8.9664



48.3570, -11.5150, 6.7029



45.7400, -5.7878, -10.2960

# Sweetspot

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



47.5390, 12.5523, -12.7507



84.8190, 4.5262, -5.1033



59.1020, -1.5293, -22.8915



42.3740, 2.7736, -2.9590



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

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



47.5390, 12.5523, -12.7507



54.9170, 19.2679, -20.0982



38.4570, 17.0297, -2.1548



33.6300, 1.1684, -1.4295



35.9400, 31.0886, -31.5194



82.2300, 71.3716, -72.1157



# Inverse Universe

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



46.8980, 1.5293, 22.8915



53.6160, 2.6543, 35.4168



67.5430, -17.0297, 2.1548



33.4240, 0.2840, 2.2592



34.3890, 3.7522, 56.6638

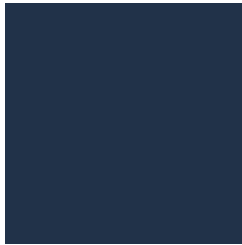


78.8170, 8.4712, 129.9565



# Previews

## White Background



This preview shows how the YUV color 47.5390, 12.5523, -12.7507 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 47.5390, 12.5523, -12.7507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

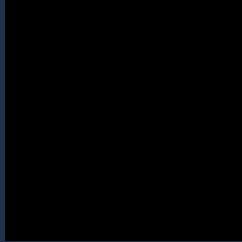
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

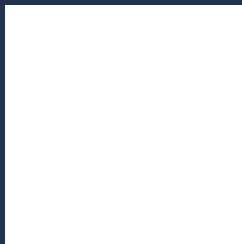
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 47.5390, 12.5523, -12.7507

## Background



This preview shows how black text looks on a background with the YUV color 47.5390, 12.5523, -12.7507.



This preview shows how white text looks on a background with the YUV color 47.5390, 12.5523,



# 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

47.5390, 12.5523, -12.7507

### Protanopia

48.6430, 11.5150, -6.7029

### Deuteranopia

48.4470, 12.1046, -9.1620



## Tritanopia

45.6820, 5.5798, -16.3841

# Trichromacy



## Original Color

47.5390, 12.5523, -12.7507

## Protanomaly

48.3330, 11.6678, -9.0620

## Deuteranomaly

47.8490, 12.3994, -10.3916

## Tritanomaly

46.3770, 8.1951, -15.2396

# Monochromacy



## Original Color

47.5390, 12.5523, -12.7507

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

48.1180, 4.3788, -4.4885

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.5390, 12.5523, -12.7507 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(33, 50, 73)` looks like.

```
.text, #text, p{  
    color:rgb(33, 50, 73)  
}
```

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(33, 50, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 50, 73) }
```

## Border

The CSS property to change the border of an element to YUV 47.5390, 12.5523, -12.7507 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(33, 50, 73) }
```



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

```
.border{ border-color:rgb(33, 50, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 50, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 50, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 50, 73);  
box-shadow:4px 4px 4px 4px rgb(33, 50, 73)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.5390, 12.5523, -12.7507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 50, 73) }
```

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

```
.background{ background-color: rgb(33, 50,  
73) }
```

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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