

# Converting Colors

YUV(41.2570, -12.9447,  
45.3786)

Have a look what the booklet for  
YUV(41.2570, -12.9447, 45.3786)  
contains.

<b>YUV(41.2570, -12.9447, 45.3786)</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(41.2570, -12.9447,  
45.3786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D140F
RGB	93, 20, 15
RGB Percent	36%, 8%, 6%
CMY	0.6353, 0.9216, 0.9412
CMYK	0.00, 0.78, 0.84, 0.64
HSL	4°, 72%, 21%
HSV	4°, 84%, 36%
XYZ	4.8506, 2.8620, 0.7487
YIQ	41.2570, 45.1130, 13.9210

# Conversions

## Conversions Part 2

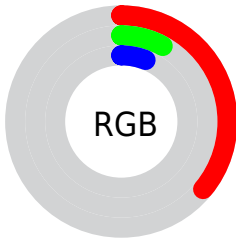
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 20, 15
Decimal	6099983
CIELab	19.48, 32.52, 22.88
CIELCh	19, 39.764, 35.130
Yxy	2.8620, 0.5733, 0.3382
Android (android.graphics.Color)	4284290063 (0xFF5D140F)
YUV	41.2570, -12.9447, 45.3786
Hunter-Lab	16.9173, 21.5747, 9.2182

# Details

The YUV color **41.2570, -12.9447, 45.3786** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **66.7430, 12.9447, -45.3786**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **91.6660, -16.5973, 50.2819**, and **12.9710, -5.9017, 26.3354** is the 20% darker color. If you saturate the color by 10%, you get **34.9480, -14.2714, 50.9116**, and if you desaturate by 10%, it is **47.5660, -11.6180, 39.8456**.

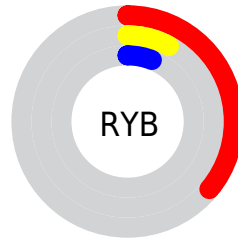
# Distribution



Red (36%)

Green (8%)

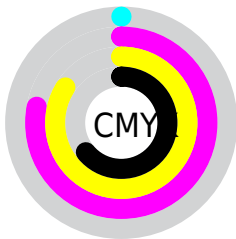
Blue (6%)



Red (36%)

Yellow (8%)

Blue (6%)

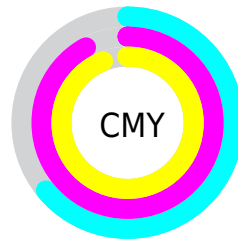


Cyan (0%)

Magenta (78%)

Yellow (84%)

Black (64%)



Cyan (64%)

Magenta (92%)


Yellow (94%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 41.2570, -12.9447, 45.3786 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 41.2570, -12.9447, 45.3786 by changing the saturation by 10% instead.





 41.2570, -12.9447,  
45.3786


 41.2570, -12.9447,  
45.3786

 253.1760, -6.9888,  
1.5996


 19.7340, -9.7289,  
40.5753

 91.6660, -16.5973,  
50.2819


 12.9710, -5.9017,  
26.3354

 117.6340,  
-18.0606, 52.9410

 0.0000, 0.0000,  
0.0000


 143.7160,  
-19.0870, 55.5001


 171.0860,  
-20.2554, 56.9296


 195.5800,  
-19.5129, 52.1113


 215.0940,


-15.8223, 34.9976


 234.7220,  
-11.6949, 17.7838


 41.2570, -12.9447,  
45.3786


 41.2570, -12.9447,  
45.3786


 34.9480, -14.2714,  
50.9116


 47.5660, -11.6180,  
39.8456

 31.3290, -15.4452,  
54.0855

 53.4020, -9.5652,  
34.7274

 59.7110, -8.2385,  
29.1945

 66.0200, -6.9119,  
23.6615

 72.4430, -5.1484,  
18.0285

■ 78.1650, -3.5323,  
13.0103

■ 84.4740, -2.2057,  
7.4773

■ 90.7830, -0.8790,  
1.9443

■ 96.6190, 1.1738,  
-3.1739

# Harmonies

## Analogous

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



38.1280, 2.8949, 51.6307



41.2570, -12.9447, 45.3786



44.4540, -21.9158, 29.4198

# Triad

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



41.2570, -12.9447, 45.3786



36.4400, -7.6119, -31.9579



40.8470, 32.1204, -35.8228

# Complementary

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



41.2570, -12.9447, 45.3786



66.7430, 12.9447, -45.3786

# 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.



44.8590, 27.1845, -39.3413



41.2570, -12.9447, 45.3786



41.1480, 5.3500, -36.0868

# Square

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



41.2570, -12.9447, 45.3786



39.1730, -19.3123, -12.4297



43.7530, 17.8698, -38.3714



48.0970, 23.1232, 3.4229



# Rectangle

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



41.2570, -12.9447, 45.3786



44.6650, -22.0198, 16.0798



43.7530, 17.8698, -38.3714



42.6080, 31.2523, -37.3672

# Sweetspot

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



41.2570, -12.9447, 45.3786



100.1440, -5.0010, 17.4137



46.7580, 20.8253, 40.5542



48.9690, -2.9427, 10.5512



189.0000, 0.0000, 0.0000



61.0000, 0.0000, 0.0000



# Same Dimension

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



41.2570, -12.9447, 45.3786



40.5760, -20.0040, 69.6548



63.5630, -23.9416, 25.8162



43.0820, -1.0264, 2.5591



36.9990, -18.2405, 64.0219



79.6680, -39.2763, 137.9802



# Inverse Universe

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



66.7430, 12.9447, -45.3786



79.4240, 20.0040, -69.6548



44.4370, 23.9416, -25.8162



44.5050, 0.7370, -3.0739



73.0010, 18.2405, -64.0219

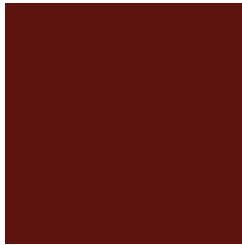


157.3320, 39.2763, -137.9802



# Previews

## White Background



This preview shows how the YUV color 41.2570, -12.9447, 45.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

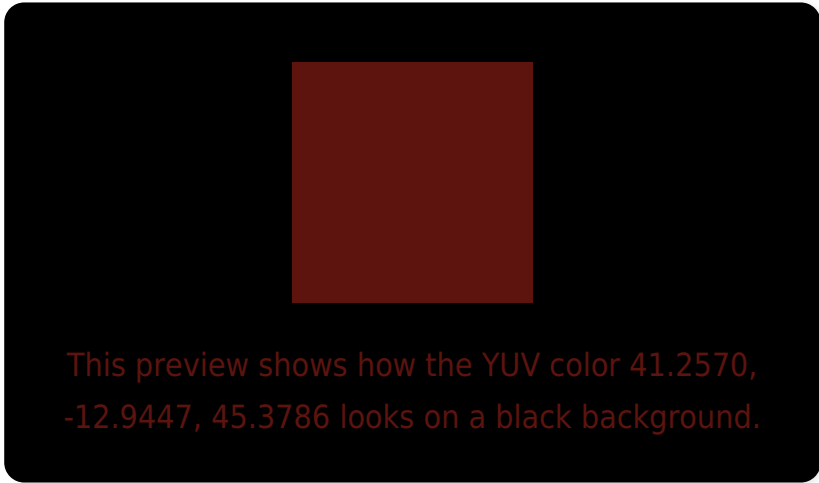
Any Text WCAG AA ✓ Pass

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

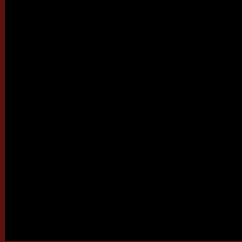
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 41.2570, -12.9447, 45.3786**

## **Background**



This preview shows how black text looks on a background with the YUV color 41.2570, -12.9447, 45.3786.



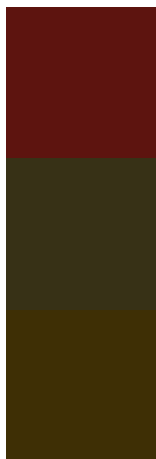
This preview shows how white text looks on a background with the YUV color 41.2570, -12.9447,



# 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

41.2570, -12.9447, 45.3786

### Protanopia

47.7160, -12.6780, 6.3881

### Deuteranopia

46.6970, -20.5566, 13.4207



## Tritanopia

41.2400, -10.4713, 45.3935

# Trichromacy



## Original Color

41.2570, -12.9447, 45.3786

## Protanomaly

45.1030, -12.8688, 20.9577

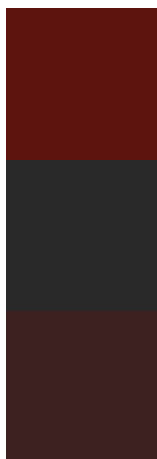
## Deuteranomaly

44.5720, -17.5370, 24.9314

## Tritanomaly

41.0120, -11.3449, 45.5935

# Monochromacy



## Original Color

41.2570, -12.9447, 45.3786

## Achromatopsia

41.0000, 0.0000, 0.0000

## Achromatomaly

40.9590, -4.4168, 16.6990

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 41.2570, -12.9447, 45.3786 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(93, 20, 15)` looks like.

```
.text, #text, p{  
    color:rgb(93, 20, 15)  
}
```

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(93, 20, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 20, 15) }
```

## Border

The CSS property to change the border of an element to YUV 41.2570, -12.9447, 45.3786 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(93, 20, 15) }
```



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

```
.border{ border-color:rgb(93, 20, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 20, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 20, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 20, 15);  
box-shadow:4px 4px 4px 4px rgb(93, 20, 15)  
}
```

# Background

The CSS property to change the background color of an element to YUV 41.2570, -12.9447, 45.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 20, 15) }
```

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

```
.background{ background-color: rgb(93, 20,  
15) }
```

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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