

# Converting Colors

YUV(45.2700, -15.9091,  
62.9072)

Have a look what the booklet for  
YUV(45.2700, -15.9091, 62.9072)  
contains.

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# Color

**YUV(45.2700, -15.9091,  
62.9072)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	750F0D
RGB	117, 15, 13
RGB Percent	46%, 6%, 5%
CMY	0.5412, 0.9412, 0.9490
CMYK	0.00, 0.87, 0.89, 0.54
HSL	1°, 80%, 25%
HSV	1°, 89%, 46%
XYZ	7.5796, 4.1526, 0.7828
YIQ	45.2700, 61.4340, 21.0020

# Conversions

## Conversions Part 2

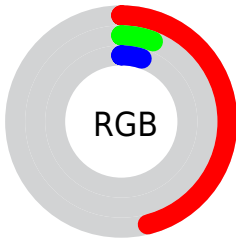
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 15, 13
Decimal	7671565
CIE <sub>Lab</sub>	24.17, 42.07, 30.47
CIE <sub>LCh</sub>	24, 51.948, 35.919
Yxy	4.1526, 0.6056, 0.3318
Android (android.graphics.Color)	4285861645 (0xFF750F0D)
YUV	45.2700, -15.9091, 62.9072
Hunter-Lab	20.3780, 30.7317, 11.9870

# Details

The YUV color **45.2700, -15.9091, 62.9072** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **84.7300, 15.9091, -62.9072**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.6850, -22.0297, 66.0513**, and **17.9400, -8.8444, 36.8866** is the 20% darker color. If you saturate the color by 10%, you get **37.4450, -17.9674, 69.7697**, and if you desaturate by 10%, it is **53.0950, -13.8508, 56.0447**.

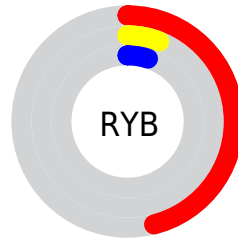
# Distribution



Red (46%)

Green (6%)

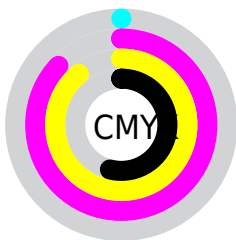
Blue (5%)



Red (46%)

Yellow (6%)

Blue (5%)

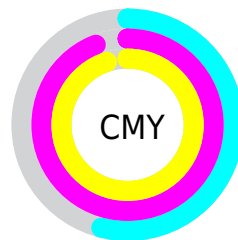


Cyan (0%)

Magenta (87%)

Yellow (89%)

Black (54%)



Cyan (54%)

Magenta (94%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 45.2700, -15.9091, 62.9072 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 45.2700, -15.9091, 62.9072 by changing the saturation by 10% instead.




 45.2700, -15.9091,  
62.9072


 45.2700, -15.9091,  
62.9072


 253.0620, -7.4256,  
1.6996

 26.3120, -12.9718,  
54.1004

 100.6850,  
-22.0297, 66.0513

 17.9400, -8.8444,  
36.8866

 126.9520,  
-23.6403, 69.3251

 9.3830, -4.1328,  
18.9581

 154.9200,  
-25.1036, 71.9842

 0.0000, 0.0000,  
0.0000

 179.0010,  
-24.6505, 66.6511

 197.8140,  
-21.1073, 50.1521

 217.3280,

-17.4167, 33.0383

■ 237.5430,  
-13.5787, 15.3098

■ 45.2700, -15.9091,  
62.9072

■ 45.2700, -15.9091,  
62.9072

■ 37.4450, -17.9674,  
69.7697

■ 53.0950, -13.8508,  
56.0447

■ 36.1570, -17.8254,  
70.8993

■ 61.3930, -12.5187,  
48.7673

■ 69.2180, -10.4605,  
41.9048

■ 77.6300, -8.6916,  
34.5275

■ 85.3410, -7.0701,  
27.7649

■ 93.7530, -5.3012,  
20.3876

■ 101.5780, -3.2430,  
13.5251

■ 109.9900, -1.4741,  
6.1478

■ 117.7010, 0.1474,  
-0.6148

# Harmonies

## Analogous

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



42.7050, 4.5824, 70.4187



45.2700, -15.9091, 62.9072



53.9450, -26.5949, 36.8822

# Triad

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



45.2700, -15.9091, 62.9072



44.2990, -10.5004, -38.8502



51.4250, 42.1885, -45.0997

# Complementary

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



45.2700, -15.9091, 62.9072



84.7300, 15.9091, -62.9072

# 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.



55.9100, 36.5264, -49.0331



45.2700, -15.9091, 62.9072



50.1470, 6.8295, -43.9789

# Square

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



45.2700, -15.9091, 62.9072



45.6080, -22.4847, -21.5812



54.5930, 23.8647, -47.8781



57.6980, 31.7009, 5.5269



# Rectangle

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



45.2700, -15.9091, 62.9072



54.4220, -26.8300, 18.9239



54.5930, 23.8647, -47.8781



53.7730, 41.0309, -47.1589

# Sweetspot

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



45.2700, -15.9091, 62.9072



124.2590, -6.0437, 25.2059



55.7240, 29.2231, 53.7391



59.4750, -3.6852, 15.3694



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



45.2700, -15.9091, 62.9072



47.5080, -23.4214, 92.5165



75.7940, -30.9574, 36.1377



54.7940, -0.8844, 3.6887



37.6520, -18.5624, 73.9732



77.6850, -38.2987, 151.1203



# Inverse Universe

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



84.7300, 15.9091, -62.9072



105.4920, 23.4214, -92.5165



54.2060, 30.9574, -36.1377



57.2060, 0.8844, -3.6887



84.3480, 18.5624, -73.9732



172.3150, 38.2987, -151.1203



# Previews

## White Background



This preview shows how the YUV color 45.2700, -15.9091, 62.9072 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 45.2700, -15.9091, 62.9072

## Background



This preview shows how black text looks on a background with the YUV color 45.2700, -15.9091, 62.9072.



This preview shows how white text looks on a background with the YUV color 45.2700, -15.9091,



# 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

45.2700, -15.9091, 62.9072

### Protanopia

57.8750, -17.1934, 8.0026

### Deuteranopia

56.1830, -27.6982, 17.3795



## Tritanopia

45.2700, -15.9091, 62.9072

# Trichromacy



## Original Color

45.2700, -15.9091, 62.9072

## Protanomaly

53.4090, -16.9636, 27.7053

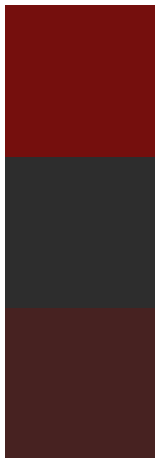
## Deuteranomaly

52.4330, -23.3845, 33.8233

## Tritanomaly

45.2700, -15.9091, 62.9072

# Monochromacy



## Original Color

45.2700, -15.9091, 62.9072

## Achromatopsia

45.0000, 0.0000, 0.0000

## Achromatomaly

44.9490, -5.8909, 22.8467

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.2700, -15.9091, 62.9072 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(117, 15, 13)` looks like.

```
.text, #text, p{  
    color:rgb(117, 15, 13)  
}
```

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(117, 15, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 15, 13) }
```

## Border

The CSS property to change the border of an element to YUV 45.2700, -15.9091, 62.9072 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(117, 15, 13) }
```



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

```
.border{ border-color:rgb(117, 15, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 15, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 15, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 15, 13);  
box-shadow:4px 4px 4px 4px rgb(117, 15,  
13) }
```

# Background

The CSS property to change the background color of an element to YUV 45.2700, -15.9091, 62.9072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 15, 13) }
```

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

```
.background{ background-color: rgb(117, 15,  
13) }
```

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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