

# Converting Colors

YUV(99.2500, -45.4793,  
120.8067)

Have a look what the booklet for  
YUV(99.2500, -45.4793, 120.8067)  
contains.

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# Color

**YUV(99.2500, -45.4793,  
120.8067)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED2F07
RGB	237, 47, 7
RGB Percent	93%, 18%, 3%
CMY	0.0706, 0.8157, 0.9725
CMYK	0.00, 0.80, 0.97, 0.07
HSL	10°, 94%, 48%
HSV	10°, 97%, 93%
XYZ	35.9799, 20.0529, 2.1753
YIQ	99.2500, 126.0800, 27.8400

# Conversions

## Conversions Part 2

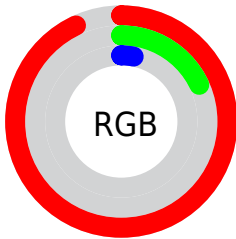
Format	Color
<a href="#">RYB</a>	<a href="#">237, 55, 7</a>
Decimal	<a href="#">15544071</a>
CIELab	<a href="#">51.90, 69.04, 62.80</a>
CIElCh	<a href="#">52, 93.324, 42.289</a>
Yxy	<a href="#">20.0529, 0.6181, 0.3445</a>
Android (android.graphics.Color)	<a href="#">4293734151 (0xFFED2F07)</a>
YUV	<a href="#">99.2500, -45.4793, 120.8067</a>
Hunter-Lab	<a href="#">44.7805, 65.0542, 28.4663</a>

# Details

The YUV color **99.2500, -45.4793, 120.8067** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **144.7500, 45.4793, -120.8067**, and the grayscale version is **100.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.5840, -42.1929, 93.3268**, and **51.1290, -25.2066, 105.1269** is the 20% darker color. If you saturate the color by 10%, you get **94.9300, -46.8005, 124.5954**, and if you desaturate by 10%, it is **113.7260, -40.7839, 108.1113**.

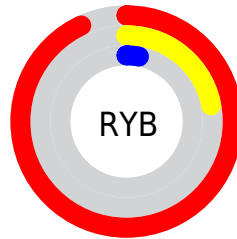
# Distribution



Red (93%)

Green (18%)

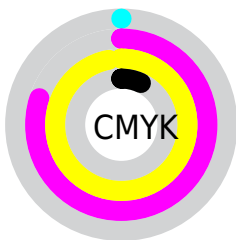
Blue (3%)



Red (93%)

Yellow (22%)

Blue (3%)

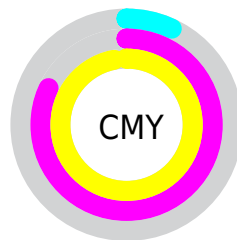


Cyan (0%)

Magenta (80%)

Yellow (97%)

Black (7%)



Cyan (7%)

Magenta (82%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 99.2500, -45.4793, 120.8067 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 99.2500, -45.4793, 120.8067 by changing the saturation by 10% instead.




 99.2500, -45.4793,  
120.8067


 99.2500, -45.4793,  
120.8067


254.7720, -0.8736,  
0.2000


 60.9960, -30.0710,  
125.4145


 148.5840,  
-42.1929, 93.3268


 51.1290, -25.2066,  
105.1269


 168.5710,  
-39.2285, 75.7982


 41.2620, -20.3422,  
84.8392


 188.4440,  
-36.7009, 58.3696

 31.9930, -15.7725,  
65.7811

 209.1320,  
-33.5891, 40.2262

 23.3650, -10.0399,  
47.0379

 229.2330,  
-30.1879, 22.5977


 13.9820, -5.9071,  
28.0798


 248.2740,


 0.0000, 0.0000,


-25.7711, 5.8987


0.0000


 251.4660,  
-13.5407, 3.0993


 99.2500, -45.4793,  
120.8067


 99.2500, -45.4793,  
120.8067


 94.9300, -46.8005,  
124.5954

 113.7260,  
-40.7839, 108.1113

 127.5010,  
-36.2360, 96.0306

 141.9770,  
-31.5407, 83.3352

 155.8660,  
-26.5559, 71.1545

 170.3420,  
-21.8606, 58.4591

■ 184.1170,  
-17.3127, 46.3784

■ 198.5930,  
-12.6173, 33.6829

■ 213.0690, -7.9220,  
20.9875

■ 226.8440, -3.3741,  
8.9068

# Harmonies

## Analogous

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



87.0750, 3.9070, 147.2702



99.2500, -45.4793, 120.8067



116.3850, -57.3778, 63.6834

# Triad

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



99.2500, -45.4793, 120.8067



97.9050, -13.2642, -85.8627



101.8580, 75.4990, -89.3295

# Complementary

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



99.2500, -45.4793, 120.8067



144.7500, 45.4793, -120.8067

# 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.



114.7720, 69.1324, -100.6550



99.2500, -45.4793, 120.8067



109.3560, 22.9955, -95.9052

# Square

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



99.2500, -45.4793, 120.8067



85.7020, -42.2511, -75.1607



117.3190, 56.0447, -102.8888



123.8010, 59.2581, 33.5005



# Rectangle

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



99.2500, -45.4793, 120.8067



115.8550, -57.1165, 26.4372



117.3190, 56.0447, -102.8888



107.7280, 72.6051, -94.4775

# Sweetspot

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



99.2500, -45.4793, 120.8067



210.7570, -14.6702, 38.8011



97.6580, 49.9616, 122.2029



101.1510, -8.9484, 23.5466



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



99.2500, -45.4793, 120.8067



102.0730, -50.3220, 134.1170



165.5810, -78.1804, 62.6345



110.4630, -2.2003, 5.7329



72.3160, -35.6518, 95.3159



21.4290, -10.5645, 28.5648

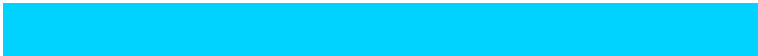


# Inverse Universe

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



144.7500, 45.4793, -120.8067



152.9270, 50.3220, -134.1170



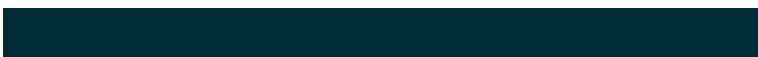
78.4190, 78.1804, -62.6345



112.5370, 2.2003, -5.7329



108.6840, 35.6518, -95.3159



31.9840, 10.8539, -28.0500



# Previews

## White Background



This preview shows how the YUV color 99.2500, -45.4793, 120.8067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 99.2500, -45.4793, 120.8067 looks on a black 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 × Fail

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

# YUV 99.2500, -45.4793, 120.8067

## Background



This preview shows how black text looks on a background with the YUV color 99.2500, -45.4793, 120.8067.



This preview shows how white text looks on a background with the YUV color 99.2500, -45.4793,



# 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

99.2500, -45.4793, 120.8067

### Protanopia

118.6550, -43.7069, 18.7196

### Deuteranopia

116.2090, -57.2910, 35.7737



## Tritanopia

101.5930, -28.8863, 118.7519

# Trichromacy



## Original Color

99.2500, -45.4793, 120.8067

## Protanomaly

111.7720, -44.2576, 55.4510

## Deuteranomaly

109.9600, -52.7313, 66.6871

## Tritanomaly

100.6980, -34.8541, 119.5369

# Monochromacy



## Original Color

99.2500, -45.4793, 120.8067

## Achromatopsia

99.0000, 0.0000, 0.0000

## Achromatomaly

99.0350, -16.2863, 43.8193

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 99.2500, -45.4793, 120.8067 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(237, 47, 7)` looks like.

```
.text, #text, p{  
    color:rgb(237, 47, 7)  
}
```

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(237, 47, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 47, 7) }
```

## Border

The CSS property to change the border of an element to YUV 99.2500, -45.4793, 120.8067 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(237, 47, 7) }
```



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

```
.border{ border-color:rgb(237, 47, 7) }
```

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

Here you see how a box with a 4 pixel rgb(237, 47, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 47, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 47, 7);  
box-shadow:4px 4px 4px 4px rgb(237, 47, 7)  
}
```

# Background

The CSS property to change the background color of an element to YUV 99.2500, -45.4793, 120.8067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 47, 7) }
```

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

```
.background{ background-color: rgb(237, 47,  
7) }
```

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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