

# Converting Colors

YUV(216.9510, -72.9398,  
14.9520)

Have a look what the booklet for  
YUV(216.9510, -72.9398, 14.9520)  
contains.

<b>YUV(216.9510, -72.9398, 14.9520)</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(216.9510, -72.9398,  
14.9520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAED45
RGB	234, 237, 69
RGB Percent	92%, 93%, 27%
CMY	0.0824, 0.0706, 0.7294
CMYK	0.01, 0.00, 0.71, 0.07
HSL	61°, 82%, 60%
HSV	61°, 71%, 93%
XYZ	65.2900, 78.4905, 17.3392
YIQ	216.9510, 52.1400, -52.8840

# Conversions

## Conversions Part 2

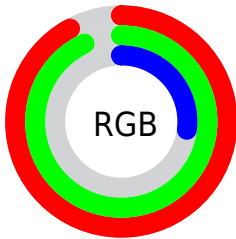
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 237, 72
Decimal	15396165
CIE <sub>Lab</sub>	91.00, -20.05, 76.08
CIE <sub>LCh</sub>	91, 78.680, 104.764
Yxy	78.4905, 0.4052, 0.4872
Android (android.graphics.Color)	4293586245 (0xFFEAED45)
YUV	216.9510, -72.9398, 14.9520
Hunter-Lab	88.5948, -23.4953, 50.4125

# Details

The YUV color **216.9510, -72.9398, 14.9520** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **89.0490, 72.9398, -14.9520**, and the grayscale version is **218.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **240.5220, -55.4733, 12.6972**, and **158.5720, -78.1760, 14.4074** is the 20% darker color. If you saturate the color by 10%, you get **214.2150, -83.4230, 17.3514**, and if you desaturate by 10%, it is **219.6870, -62.4567, 12.5525**.

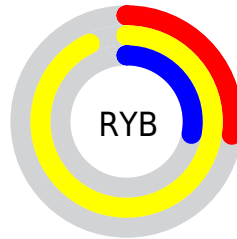
# Distribution



Red (92%)

Green (93%)

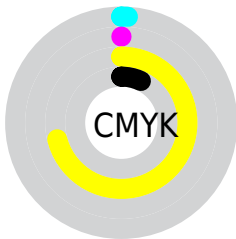
Blue (27%)



Red (27%)

Yellow (93%)

Blue (28%)

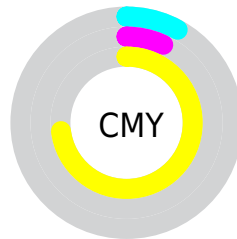


Cyan (1%)

Magenta (0%)

Yellow (71%)

Black (7%)



Cyan (8%)

Magenta (7%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 216.9510, -72.9398, 14.9520 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 216.9510, -72.9398, 14.9520 by changing the saturation by 10% instead.



216.9510,  
-72.9398, 14.9520

216.9510,  
-72.9398, 14.9520

255.0000, 0.0000,  
0.0000

187.6690,  
-75.2658, 14.3223

240.5220,  
-55.4733, 12.6972

158.5720,  
-78.1760, 14.4074

243.7140,  
-43.2430, 9.8978

134.6390,  
-66.3770, 9.9636

247.0200,  
-30.5759, 6.9985

110.7060,  
-54.5781, 5.5198

250.3260,  
-17.9087, 4.0991

87.6590, -43.2159,  
1.1761

253.7460, -4.8048,  
1.0998

65.4980, -32.2905,  
-3.0677

43.9240, -21.6545,

-7.8263

■ 22.6380, -11.1605,  
-13.7145

■ 4.1090, -2.0257,  
-3.6036

■ 216.9510,  
-72.9398, 14.9520

■ 216.9510,  
-72.9398, 14.9520

■ 214.2150,  
-83.4230, 17.3514

■ 219.6870,  
-62.4567, 12.5525

■ 211.2940,  
-93.3219, 19.0362

■ 222.6080,  
-52.5577, 10.8678

■ 208.7860,  
-102.9315, 21.2357

■ 225.3440,  
-42.0746, 8.4683

■ 228.3790,  
-31.7388, 6.6836

■ 231.0010,  
-21.6925, 4.3841

■ 234.0360,  
-11.3567, 2.5994

■ 236.7720, -0.8736,  
0.2000

■ 239.0520, 7.8624,  
-1.7996

■ 239.3510, 7.7150,  
-1.1848

# Harmonies

## Analogous

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



209.3530, -65.7430, 40.0324



216.9510, -72.9398, 14.9520



206.5740, -44.6530, -51.3694

# Triad

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



216.9510, -72.9398, 14.9520



178.7550, 37.5888, -156.7681



202.7570, 25.7558, 45.8171

# Complementary

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



216.9510, -72.9398, 14.9520



89.0490, 72.9398, -14.9520

# 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.



218.6060, 17.9422, 31.9175



216.9510, -72.9398, 14.9520



174.6460, 39.6145, -153.1645

# Square

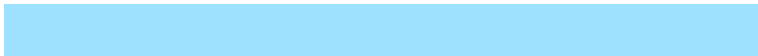
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



216.9510, -72.9398, 14.9520



178.7550, 37.5888, -156.7681



208.3870, 22.9802, -44.1894



192.9820, 0.9949, 54.3898



# Rectangle

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



216.9510, -72.9398, 14.9520



180.4120, -9.0771, -122.2643



208.3870, 22.9802, -44.1894



206.8660, 23.7301, 42.2135

# Sweetspot

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



216.9510, -72.9398, 14.9520



248.5450, -23.4397, 4.7840



120.9930, -25.6325, 101.7381



124.0530, -13.8301, 2.5845



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.



216.9510, -72.9398, 14.9520



229.0660, -94.1955, 19.2361



191.8350, -60.5577, -36.6893



115.7460, -4.8048, 1.0998



159.4690, -78.6182, 16.2517



47.5450, -23.4397, 4.7840



# Inverse Universe

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



89.0490, 72.9398, -14.9520



63.9340, 94.1955, -19.2361



114.1650, 60.5577, 36.6893



107.2540, 4.8048, -1.0998



21.5310, 78.6182, -16.2517

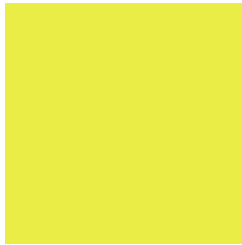


6.4550, 23.4397, -4.7840



# Previews

## White Background



This preview shows how the YUV color 216.9510, -72.9398, 14.9520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

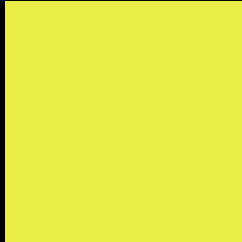
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 216.9510, -72.9398, 14.9520 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 ✓ Pass

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

# YUV 216.9510, -72.9398, 14.9520 Background



This preview shows how black text looks on a background with the YUV color 216.9510, -72.9398, 14.9520.



This preview shows how white text looks on a background with the YUV color 216.9510, -72.9398,



# 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

216.9510, -72.9398, 14.9520

### Protanopia

220.9280, -64.5475, 29.8811

### Deuteranopia

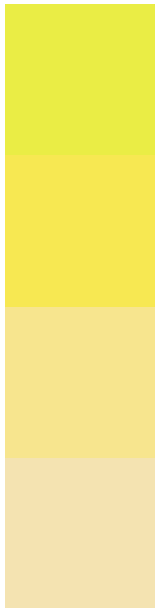
228.7090, -22.0415, 23.0572



## Tritanopia

231.4240, 3.7350, 15.4142

# Trichromacy



## Original Color

216.9510, -72.9398, 14.9520

## Protanomaly

219.3850, -67.7308, 24.2184

## Deuteranomaly

224.4640, -40.6548, 19.7641

## Tritanomaly

226.3830, -24.3458, 15.4501

# Monochromacy



## Original Color

216.9510, -72.9398, 14.9520

## Achromatopsia

217.0000, 0.0000, 0.0000

## Achromatomaly

216.7470, -26.4973, 5.4839

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 216.9510, -72.9398, 14.9520 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(234, 237, 69)` looks like.

```
.text, #text, p{  
    color:rgb(234, 237, 69)  
}
```

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(234, 237, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 69) }
```

## Border

The CSS property to change the border of an element to YUV 216.9510, -72.9398, 14.9520 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(234, 237, 69) }
```



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

```
.border{ border-color:rgb(234, 237, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 237, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 237, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 237, 69);  
box-shadow:4px 4px 4px 4px rgb(234, 237,  
69) }
```

# Background

The CSS property to change the background color of an element to YUV 216.9510, -72.9398, 14.9520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 69) }
```

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

```
.background{ background-color: rgb(234,  
237, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor