

# Converting Colors

YUV(28.2500, 54.5998,  
-12.4972)

Have a look what the booklet for  
YUV(28.2500, 54.5998, -12.4972)  
contains.

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# Color

**YUV(28.2500, 54.5998,  
-12.4972)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0E0E8B
RGB	14, 14, 139
RGB Percent	5%, 5%, 55%
CMY	0.9451, 0.9451, 0.4549
CMYK	0.90, 0.90, 0.00, 0.45
HSL	240°, 82%, 30%
HSV	240°, 90%, 55%
XYZ	4.9983, 2.2715, 24.6011
YIQ	28.2500, -40.1250, 38.8750

# Conversions

## Conversions Part 2

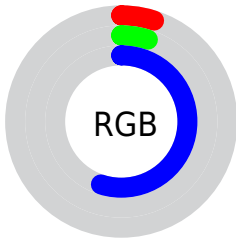
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 14, 139
Decimal	921227
CIE Lab	16.85, 45.72, -65.17
CIE LCh	17, 79.611, 305.052
Yxy	2.2715, 0.1568, 0.0713
Android (android.graphics.Color)	4279111307 (0xFF0E0E8B)
YUV	28.2500, 54.5998, -12.4972
Hunter-Lab	15.0716, 32.8226, -86.2282

# Details

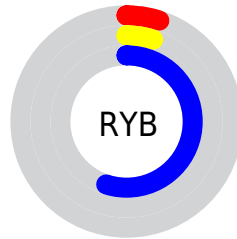
The YUV color **28.2500, 54.5998, -12.4972** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **124.7500, -54.5998, 12.4972**, and the grayscale version is **28.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **85.1210, 53.6773, 3.4019**, and **9.9180, 38.0014, -8.6981** is the 20% darker color. If you saturate the color by 10%, you get **15.8460, 60.7149, -13.8969**, and if you desaturate by 10%, it is **40.6540, 48.4846, -11.0976**.

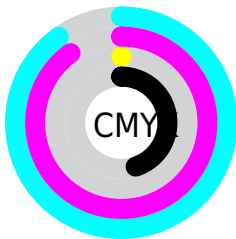
# Distribution



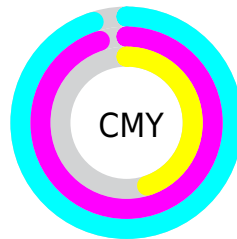
- Red (5%)
- Green (5%)
- Blue (55%)



- Red (5%)
- Yellow (5%)
- Blue (55%)



- Cyan (90%)
- Magenta (90%)
- Yellow (0%)
- Black (45%)



- Cyan (95%)
- Magenta (95%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 28.2500, 54.5998, -12.4972 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 28.2500, 54.5998, -12.4972 by changing the saturation by 10% instead.



■ 28.2500, 54.5998,  
-12.4972

■ 28.2500, 54.5998,  
-12.4972

■ 251.4780, 1.7363,  
3.0888

■ 12.8820, 49.3582,  
-11.2975

■ 85.1210, 53.6773,  
3.4019

■ 9.9180, 38.0014,  
-8.6981

■ 111.3710, 54.5401,  
6.6906

■ 10.7040, 25.7819,  
-9.3874

■ 138.6100, 55.4083,  
8.2350

■ 6.3210, 16.6037,  
-5.5435

■ 162.9990, 45.3565,  
12.2789


■ 2.6390, 7.5730,  
-2.3144


■ 187.2310, 33.4101,  
17.3374


■ 0.0000, 0.0000,  
0.0000


■ 212.6370, 20.8850,


21.3664


 234.4550, 10.1287,  
18.0180


 28.2500, 54.5998,  
-12.4972


 28.2500, 54.5998,  
-12.4972


 15.8460, 60.7149,  
-13.8969

 40.6540, 48.4846,  
-11.0976

 53.0580, 42.3694,  
-9.6979

 65.4620, 36.2542,  
-8.2982

 77.8660, 30.1391,  
-6.8985

 90.2700, 24.0239,  
-5.4988

■ 101.7880, 18.3455,  
-4.1991

■ 114.1920, 12.2303,  
-2.7994

■ 126.5960, 6.1152,  
-1.3997

■ 139.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



48.2910, 55.5655, -42.3512



28.2500, 54.5998, -12.4972



43.2640, 23.5338, 58.5275

# Triad

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



28.2500, 54.5998, -12.4972



32.1820, -15.8657, 48.9524



40.3330, 4.7658, -35.3720

# Complementary

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



28.2500, 54.5998, -12.4972



124.7500, -54.5998, 12.4972

# 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.



34.0460, -16.7847, -29.8583



28.2500, 54.5998, -12.4972



38.3970, -18.9297, 4.9138

# Square

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



28.2500, 54.5998, -12.4972



35.5810, -17.5414, 73.1585



31.6980, -15.6271, -27.7991



48.1190, 29.5213, -42.2004



# Rectangle

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



28.2500, 54.5998, -12.4972



44.1290, 4.8664, 72.6779



31.6980, -15.6271, -27.7991



38.0530, -3.9701, -33.3725

# Sweetspot

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



28.2500, 54.5998, -12.4972



137.5860, 21.4031, -4.8989



101.6250, 18.4259, -76.8471



65.4200, 13.1039, -2.9993



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



28.2500, 54.5998, -12.4972



20.6340, 79.0604, -18.0960



47.0870, 45.3131, 26.2337



62.7980, 3.0576, -0.6998



15.1620, 58.0941, -13.2971



0.5700, 2.1840, -0.4999



# Inverse Universe

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



65.6250, 36.1739, 64.3499



74.7530, 52.3798, 93.1786



106.2120, -45.4605, -25.6189



64.8910, 2.0257, 3.6036



54.9290, 38.4890, 68.4683

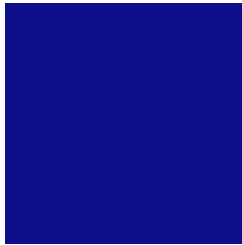


2.0650, 1.4470, 2.5740



# Previews

## White Background



This preview shows how the YUV color 28.2500, 54.5998, -12.4972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

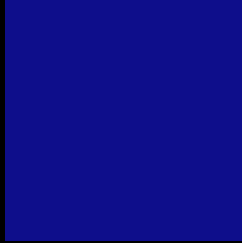
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 28.2500, 54.5998, -12.4972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

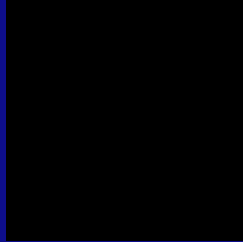
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 28.2500, 54.5998, -12.4972

## Background



This preview shows how black text looks on a background with the YUV color 28.2500, 54.5998, -12.4972.



This preview shows how white text looks on a background with the YUV color 28.2500, 54.5998, -12.4972.



# 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

28.2500, 54.5998, -12.4972

### Protanopia

34.6860, 26.2838, -30.4196

### Deuteranopia

34.9650, 19.7373, -30.6643



## Tritanopia

33.9900, 8.3859, -29.8092

# Trichromacy



## Original Color

28.2500, 54.5998, -12.4972

## Protanomaly

32.4770, 36.7398, -24.0973

## Deuteranomaly

32.6250, 32.2299, -24.2271

## Tritanomaly

32.0890, 25.0991, -23.7571

# Monochromacy



## Original Color

28.2500, 54.5998, -12.4972

## Achromatopsia

28.0000, 0.0000, 0.0000

## Achromatomaly

28.1300, 19.6559, -4.4990

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 28.2500, 54.5998, -12.4972 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(14, 14, 139)` looks like.

```
.text, #text, p{  
    color:rgb(14, 14, 139)  
}
```

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(14, 14, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 14, 139) }
```

## Border

The CSS property to change the border of an element to YUV 28.2500, 54.5998, -12.4972 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(14, 14, 139) }
```



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

```
.border{ border-color:rgb(14, 14, 139) }
```

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

Here you see how a box with a 4 pixel rgb(14, 14, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 14, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 14, 139);  
box-shadow:4px 4px 4px 4px rgb(14, 14,  
139) }
```

# Background

The CSS property to change the background color of an element to YUV 28.2500, 54.5998, -12.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 14, 139) }
```

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

```
.background{ background-color: rgb(14, 14,  
139) }
```

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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