

# Converting Colors

YUV(87.9290, -32.5030,  
18.4793)

Have a look what the booklet for  
YUV(87.9290, -32.5030, 18.4793)  
contains.

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# Color

**YUV(87.9290, -32.5030,  
18.4793)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D5A16
RGB	109, 90, 22
RGB Percent	43%, 35%, 9%
CMY	0.5725, 0.6471, 0.9137
CMYK	0.00, 0.17, 0.80, 0.57
HSL	47°, 66%, 26%
HSV	47°, 80%, 43%
XYZ	10.1077, 10.6215, 2.2765
YIQ	87.9290, 33.1520, -17.1200

# Conversions

## Conversions Part 2

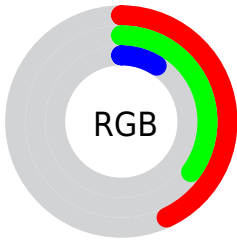
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 109, 22
Decimal	7166486
CIE Lab	38.94, 0.10, 39.62
CIE LCh	39, 39.619, 89.861
Yxy	10.6215, 0.4394, 0.4617
Android (android.graphics.Color)	4285356566 (0xFF6D5A16)
YUV	87.9290, -32.5030, 18.4793
Hunter-Lab	32.5906, -1.6735, 18.6720

# Details

The YUV color **87.9290, -32.5030, 18.4793** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **43.0710, 32.5030, -18.4793**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.0110, -33.5294, 21.0384**, and **43.7570, -21.5722, 12.4911** is the 20% darker color. If you saturate the color by 10%, you get **85.5010, -36.7290, 20.6086**, and if you desaturate by 10%, it is **90.3570, -28.2770, 16.3499**.

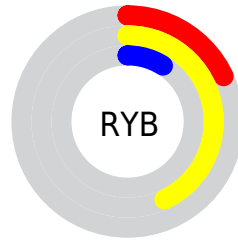
# Distribution



 Red (43%)

 Green (35%)

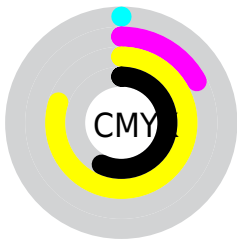
 Blue (9%)



 Red (18%)

 Yellow (43%)

 Blue (9%)

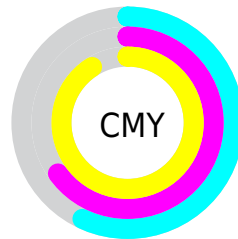


 Cyan (0%)

 Magenta (17%)

 Yellow (80%)

 Black (57%)



 Cyan (57%)

 Magenta (65%)

 Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.9290, -32.5030, 18.4793 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 87.9290, -32.5030, 18.4793 by changing the saturation by 10% instead.



87.9290, -32.5030,  
18.4793

87.9290, -32.5030,  
18.4793

255.0000, 0.0000,  
0.0000

64.1460, -31.6240,  
16.5350

139.0110,  
-33.5294, 21.0384

43.7570, -21.5722,  
12.4911

165.4950,  
-34.2610, 22.3679

24.5420, -12.0992,  
7.4177

192.8650,  
-35.4294, 23.7974

0.0000, 0.0000,  
0.0000

221.3490,  
-36.1611, 25.1269

242.3580,  
-33.2075, 11.0870

248.9580,

-23.1503, 5.2988

■ 252.2640,  
-10.4832, 2.3995

■ 87.9290, -32.5030,  
18.4793

■ 87.9290, -32.5030,  
18.4793

■ 85.5010, -36.7290,  
20.6086

■ 90.3570, -28.2770,  
16.3499

■ 82.4860, -40.6656,  
23.2528

■ 93.3720, -24.3404,  
13.7058

■ 95.8000, -20.1144,  
11.5764

■ 98.8150, -16.1778,  
8.9322

■ 101.1290,  
-12.3886, 6.9029

■ 103.5570, -8.1626,  
4.7735

■ 106.5720, -4.2260,  
2.1294

■ 109.0000, 0.0000,  
0.0000

■ 111.4280, 4.2260,  
-2.1294

# Harmonies

## Analogous

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



89.9560, -26.6003, 38.6266



87.9290, -32.5030, 18.4793



84.7840, -26.0225, -6.8266

# Triad

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



87.9290, -32.5030, 18.4793



76.8310, 22.7613, -67.3808



94.5090, 15.0321, 32.0026

# Complementary

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



87.9290, -32.5030, 18.4793



43.0710, 32.5030, -18.4793

# 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.



93.1010, 27.0652, -0.9656



87.9290, -32.5030, 18.4793



77.2190, 34.4020, -67.7211

# Square

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



87.9290, -32.5030, 18.4793



73.1830, 8.7838, -64.1815



73.5490, 40.6483, -64.5025



91.5470, 0.7163, 50.3863



# Rectangle

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



87.9290, -32.5030, 18.4793



80.5840, -16.0639, -27.6992



73.5490, 40.6483, -64.5025



94.5940, 19.4272, 22.2811

# Sweetspot

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



87.9290, -32.5030, 18.4793



134.4280, -12.5360, 7.5176



50.2930, -4.0884, 51.4860



66.3720, -7.5784, 4.0588



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



87.9290, -32.5030, 18.4793



109.7720, -51.1596, 29.1410



92.2050, -34.6111, -5.4418



52.1420, -2.0420, 1.6295



88.9870, -43.8706, 24.5674



185.3720, -91.3884, 52.2938



# Inverse Universe

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



43.0710, 32.5030, -18.4793



39.2280, 51.1596, -29.1410



38.7950, 34.6111, 5.4418



49.2710, 2.3314, -1.1147



28.6000, 43.5812, -25.0822

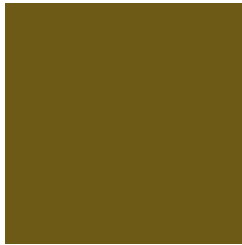


59.0410, 91.6778, -51.7790



# Previews

## White Background



This preview shows how the YUV color 87.9290, -32.5030, 18.4793 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 × Fail



# Black Background



This preview shows how the YUV color 87.9290, -32.5030, 18.4793 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

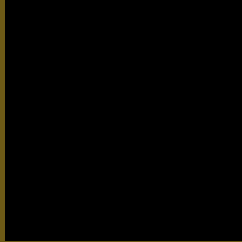
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.9290, -32.5030, 18.4793

## Background



This preview shows how black text looks on a background with the YUV color 87.9290, -32.5030, 18.4793.



This preview shows how white text looks on a background with the YUV color 87.9290, -32.5030,



# 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

87.9290, -32.5030, 18.4793

### Protanopia

87.4230, -31.7605, 13.6610

### Deuteranopia

88.3750, -32.2299, 24.2271



## Tritanopia

93.6540, -1.8014, 17.8434

# Trichromacy



## Original Color

87.9290, -32.5030, 18.4793

## Protanomaly

87.4340, -31.7660, 15.4054

## Deuteranomaly

88.0650, -32.0770, 21.8680

## Tritanomaly

91.3800, -13.0053, 18.0837

# Monochromacy



## Original Color

87.9290, -32.5030, 18.4793

## Achromatopsia

88.0000, 0.0000, 0.0000

## Achromatomaly

88.2430, -11.9518, 6.8029

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.9290, -32.5030, 18.4793 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(109, 90, 22)` looks like.

```
.text, #text, p{  
    color:rgb(109, 90, 22)  
}
```

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(109, 90, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 90, 22) }
```

## Border

The CSS property to change the border of an element to YUV 87.9290, -32.5030, 18.4793 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(109, 90, 22) }
```



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

```
.border{ border-color:rgb(109, 90, 22) }
```

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

Here you see how a box with a 4 pixel rgb(109, 90, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 90, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 90, 22);  
box-shadow:4px 4px 4px 4px rgb(109, 90,  
22) }
```

# Background

The CSS property to change the background color of an element to YUV 87.9290, -32.5030, 18.4793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 90, 22) }
```

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

```
.background{ background-color: rgb(109, 90,  
22) }
```

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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