

# Converting Colors

YUV(29.6290, 13.0009, 30.1434)

Have a look what the booklet for  
YUV(29.6290, 13.0009, 30.1434)  
contains.

<b>YUV(29.6290, 13.0009, 30.1434)</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(29.6290, 13.0009,  
30.1434)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	400738
RGB	64, 7, 56
RGB Percent	25%, 3%, 22%
CMY	0.7490, 0.9725, 0.7804
CMYK	0.00, 0.89, 0.12, 0.75
HSL	308°, 80%, 14%
HSV	308°, 89%, 25%
XYZ	2.9041, 1.5275, 3.8831
YIQ	29.6290, 18.2430, 27.3230

# Conversions

## Conversions Part 2

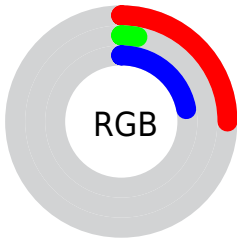
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 7, 56
Decimal	4196152
CIELab	12.78, 32.25, -16.21
CIELCh	13, 36.098, 333.320
Yxy	1.5275, 0.3493, 0.1837
Android (android.graphics.Color)	4282386232 (0xFF400738)
YUV	29.6290, 13.0009, 30.1434
Hunter-Lab	12.3591, 20.3156, -9.9772




# Details

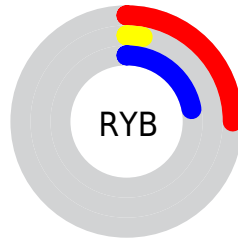
The YUV color **29.6290, 13.0009, 30.1434** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **41.3710, -13.0009, -30.1434**, and the grayscale version is **29.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **78.7000, 11.9799, 30.9581**, and **1.0260, 3.9312, -0.8998** is the 20% darker color. If you saturate the color by 10%, you get **25.9930, 14.3005, 33.3321**, and if you desaturate by 10%, it is **33.2650, 11.7014, 26.9546**.

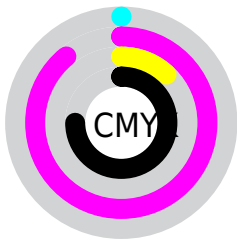
# Distribution







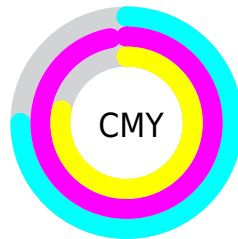
-  Red (25%)
-  Green (3%)
-  Blue (22%)






-  Red (25%)
-  Yellow (3%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (89%)
-  Yellow (12%)
-  Black (75%)



-  Cyan (75%)
-  Magenta (97%)
-  Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 29.6290, 13.0009, 30.1434 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 29.6290, 13.0009, 30.1434 by changing the saturation by 10% instead.



■ 29.6290, 13.0009,  
30.1434

■ 29.6290, 13.0009,  
30.1434

■ 247.3690, 3.7621,  
6.6924

■ 16.5480, 9.0968,  
22.3214

■ 78.7000, 11.9799,  
30.9581

■ 1.0260, 3.9312,  
-0.8998

■ 103.9990, 11.8325,  
31.5729

■ 0.0000, 0.0000,  
0.0000

■ 129.7110, 11.9745,  
32.7025


■ 155.8360, 12.4059,  
34.3468


■ 183.5480, 12.5478,  
35.4764


■ 211.2600, 12.6898,


36.6060


 230.3460, 12.1544,  
21.6216


 29.6290, 13.0009,  
30.1434

 29.6290, 13.0009,  
30.1434

 25.9930, 14.3005,  
33.3321


 33.2650, 11.7014,  
26.9546

 25.4060, 14.5898,  
33.8469

 37.4880, 10.1124,  
23.2510

 41.1240, 8.8129,  
20.0623

 45.3470, 7.2239,  
16.3587

 48.8690, 5.4876,  
13.2699

■ 52.5050, 4.1880,  
10.0811

■ 56.7280, 2.5991,  
6.3775

■ 60.3640, 1.2995,  
3.1888

■ 64.5870, -0.2894,  
-0.5148

# Harmonies

## Analogous

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



33.0920, 20.6606, -0.0807



29.6290, 13.0009, 30.1434



26.0730, 2.9220, 42.9090

# Triad

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



29.6290, 13.0009, 30.1434



31.3310, -15.4462, 7.6027



32.0810, 13.7641, -28.1350

# Complementary

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



29.6290, 13.0009, 30.1434



41.3710, -13.0009, -30.1434

# 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.



29.8180, 2.5547, -26.1504



29.6290, 13.0009, 30.1434



27.0790, -13.3499, -11.4703

# Square

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



29.6290, 13.0009, 30.1434



31.4410, -15.5004, 25.0462



25.2240, -9.9704, -22.1214



32.9590, 22.2052, -28.9050



# Rectangle

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



29.6290, 13.0009, 30.1434



24.6080, -5.2297, 44.1938



25.2240, -9.9704, -22.1214



31.7560, 9.9803, -27.8500

# Sweetspot

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



29.6290, 13.0009, 30.1434



70.1570, 5.3456, 12.1403



15.8900, 23.7182, -0.7805



34.5540, 3.1779, 7.4071



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000



# Same Dimension

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



29.6290, 13.0009, 30.1434



33.3240, 19.0673, 44.4429



26.4370, 0.7706, 32.9428



31.2390, 0.8682, 1.5444



38.4650, 21.9558, 51.3352



88.9780, 51.2828, 118.4143



# Inverse Universe

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



29.6290, 13.0009, 30.1434



33.3240, 19.0673, 44.4429



44.5630, -0.7706, -32.9428



31.2390, 0.8682, 1.5444



38.4650, 21.9558, 51.3352

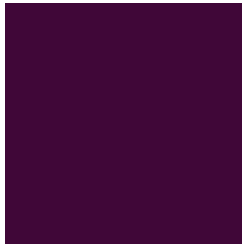


88.9780, 51.2828, 118.4143



# Previews

## White Background



This preview shows how the YUV color 29.6290, 13.0009, 30.1434 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

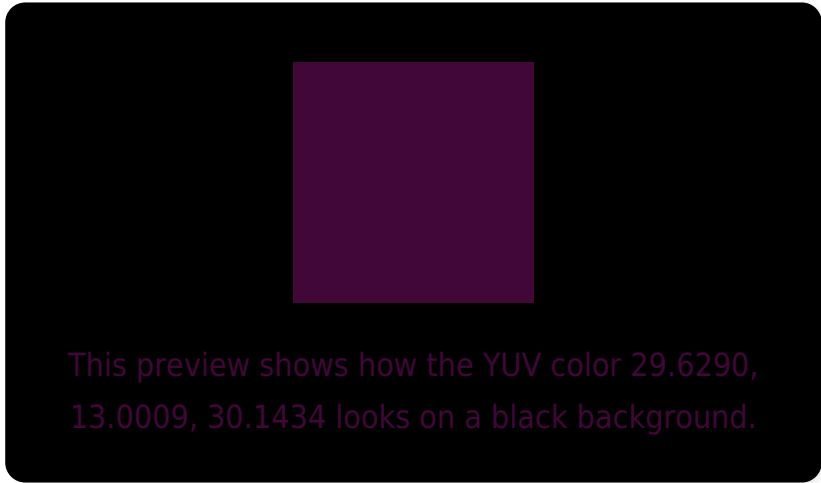
Any Text WCAG AA ✓ Pass

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 29.6290, 13.0009, 30.1434

## Background



This preview shows how black text looks on a background with the YUV color 29.6290, 13.0009, 30.1434.



This preview shows how white text looks on a background with the YUV color 29.6290, 13.0009,



# 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

29.6290, 13.0009, 30.1434

### Protanopia

28.9810, 22.1944, -25.4163

### Deuteranopia

35.8450, 8.4574, -6.0031



## Tritanopia

34.4760, -5.1647, 23.2615

# Trichromacy



## Original Color

29.6290, 13.0009, 30.1434

## Protanomaly

29.1900, 18.6403, -5.4286

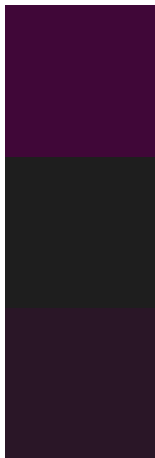
## Deuteranomaly

33.3890, 10.1612, 7.5518

## Tritanomaly

32.6210, 1.6658, 25.7654

# Monochromacy



## Original Color

29.6290, 13.0009, 30.1434

## Achromatopsia

30.0000, 0.0000, 0.0000

## Achromatomaly

29.9180, 4.4774, 10.5959

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 29.6290, 13.0009, 30.1434 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(64, 7, 56)` looks like.

```
.text, #text, p{  
    color:rgb(64, 7, 56)  
}
```

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(64, 7, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 7, 56) }
```

## Border

The CSS property to change the border of an element to YUV 29.6290, 13.0009, 30.1434 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(64, 7, 56) }
```



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

```
.border{ border-color:rgb(64, 7, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 7, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 7, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 7, 56); box-shadow:4px  
4px 4px 4px rgb(64, 7, 56) }
```

# Background

The CSS property to change the background color of an element to YUV 29.6290, 13.0009, 30.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 7, 56) }
```

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

```
.background{ background-color: rgb(64, 7,  
56) }
```

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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