

# Converting Colors

YUV(20.3160, 4.2812, 26.9099)

Have a look what the booklet for  
YUV(20.3160, 4.2812, 26.9099)  
contains.

<b>YUV(20.3160, 4.2812, 26.9099)</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(20.3160, 4.2812,  
26.9099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33031D
RGB	51, 3, 29
RGB Percent	20%, 1%, 11%
CMY	0.8000, 0.9882, 0.8863
CMYK	0.00, 0.94, 0.43, 0.80
HSL	328°, 89%, 11%
HSV	328°, 94%, 20%
XYZ	1.6196, 0.8576, 1.2426
YIQ	20.3160, 20.2620, 18.2620

# Conversions

## Conversions Part 2

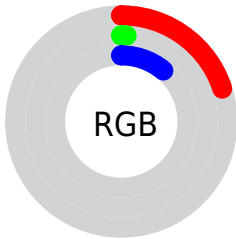
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 3, 29
Decimal	3343133
CIE <sub>Lab</sub>	7.75, 26.31, -4.09
CIE <sub>LCh</sub>	8, 26.622, 351.173
Yxy	0.8576, 0.4354, 0.2306
Android (android.graphics.Color)	4281533213 (0xFF33031D)
YUV	20.3160, 4.2812, 26.9099
Hunter-Lab	9.2609, 15.0101, -1.4726




# Details

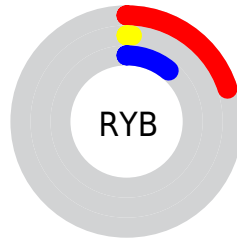
The YUV color **20.3160, 4.2812, 26.9099** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **33.6840, -4.2812, -26.9099**, and the grayscale version is **20.0000, 0.0000, 0.0000**.


A 20% lighter version of the original color is **66.8710, 2.5286, 29.0541**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.4410, 4.7126, 28.5542**, and if you desaturate by 10%, it is **23.4790, 3.7079, 24.1359**.

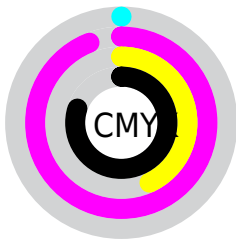
# Distribution







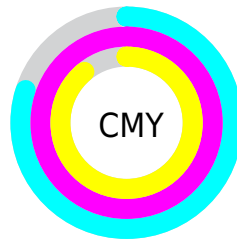
-  Red (20%)
-  Green (1%)
-  Blue (11%)






-  Red (20%)
-  Yellow (1%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (94%)
-  Yellow (43%)
-  Black (80%)




-  Cyan (80%)
-  Magenta (99%)
-  Yellow (89%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 20.3160, 4.2812, 26.9099 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 20.3160, 4.2812, 26.9099 by changing the saturation by 10% instead.




 20.3160, 4.2812,  
26.9099

 20.3160, 4.2812,  
26.9099

 240.9120, 6.9454,  
12.3552


 9.0840, -3.9854,  
18.3433

 66.8710, 2.5286,  
29.0541

 0.0000, 0.0000,  
0.0000

 90.8820, 2.5232,  
30.7985


 116.4800, 2.2284,  
32.0280


 142.1920, 2.3703,  
33.1576


 168.7900, 2.0755,  
34.3872

 196.3880, 1.7807,


35.6167

 221.5120, 3.6916,  
29.3690


 20.3160, 4.2812,  
26.9099


 20.3160, 4.2812,  
26.9099

 18.4410, 4.7126,  
28.5542

 23.4790, 3.7079,  
24.1359

 26.7560, 3.5713,  
21.2620

 29.9190, 2.9979,  
18.4880

 33.0820, 2.4246,  
15.7141

 36.9460, 1.9986,  
12.3254

■ 40.1090, 1.4253,  
9.5514

■ 43.2720, 0.8519,  
6.7775

■ 46.5490, 0.7153,  
3.9035

■ 49.7120, 0.1420,  
1.1296

# Harmonies

## Analogous

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



22.9490, 10.8711, 13.1997



20.3160, 4.2812, 26.9099



18.2920, -6.0600, 30.4389

# Triad

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



20.3160, 4.2812, 26.9099



20.3450, -10.0301, -2.9336



23.8970, 12.8688, -20.9577

# Complementary

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



20.3160, 4.2812, 26.9099



33.6840, -4.2812, -26.9099

# 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.



22.7740, 6.0274, -19.9728



20.3160, 4.2812, 26.9099



17.6100, -8.6817, -15.4440

# Square

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



20.3160, 4.2812, 26.9099



22.2050, -10.9471, 11.2212



20.6080, -2.2717, -18.0732



22.4610, 17.5207, -19.6983



# Rectangle

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



20.3160, 4.2812, 26.9099



19.6460, -9.6855, 26.6205



20.6080, -2.2717, -18.0732



23.4410, 11.1216, -20.5578

# Sweetspot

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



20.3160, 4.2812, 26.9099



54.5220, 1.7147, 10.0662



15.0500, 17.7233, 8.7262



25.9730, 0.9993, 6.1627



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000



# Same Dimension

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



20.3160, 4.2812, 26.9099



23.8380, 5.9959, 36.9761



17.5800, -6.2019, 29.3093



24.0110, -0.0054, 1.7444



32.0830, 7.8471, 49.9162



78.2210, 19.1180, 121.7092



# Inverse Universe

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



20.3160, 4.2812, 26.9099



23.8380, 5.9959, 36.9761



36.4200, 6.2019, -29.3093



24.0110, -0.0054, 1.7444



32.0830, 7.8471, 49.9162

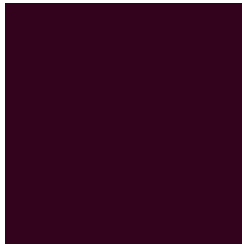


78.2210, 19.1180, 121.7092



# Previews

## White Background



This preview shows how the YUV color 20.3160, 4.2812, 26.9099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

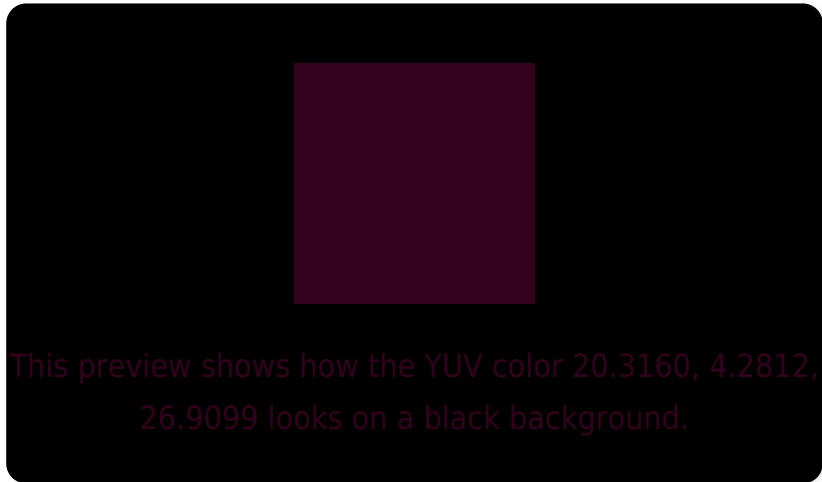
Any Text WCAG AA ✓ Pass

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

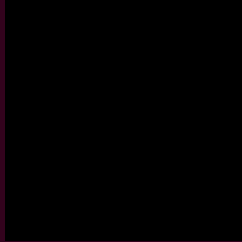
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 20.3160, 4.2812, 26.9099

## Background



This preview shows how black text looks on a background with the YUV color 20.3160, 4.2812, 26.9099.



This preview shows how white text looks on a background with the YUV color 20.3160, 4.2812,



# 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

20.3160, 4.2812, 26.9099

### Protanopia

26.3290, 7.7258, -4.6735

### Deuteranopia

27.0110, -0.0054, 1.7444



## Tritanopia

23.3620, -5.6015, 23.3615

# Trichromacy



## Original Color

20.3160, 4.2812, 26.9099

## Protanomaly

24.3520, 6.2355, 6.7073

## Deuteranomaly

24.8210, 1.5672, 10.6810

## Tritanomaly

22.2850, -2.1125, 24.3061

# Monochromacy



## Original Color

20.3160, 4.2812, 26.9099

## Achromatopsia

20.0000, 0.0000, 0.0000

## Achromatomaly

20.1090, 1.4253, 9.5514

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 20.3160, 4.2812, 26.9099 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(51, 3, 29)` looks like.

```
.text, #text, p{  
    color:rgb(51, 3, 29)  
}
```

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(51, 3, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 3, 29) }
```

## Border

The CSS property to change the border of an element to YUV 20.3160, 4.2812, 26.9099 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(51, 3, 29) }
```



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

```
.border{ border-color:rgb(51, 3, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 3, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 3, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 3, 29); box-shadow:4px  
4px 4px 4px rgb(51, 3, 29) }
```

# Background

The CSS property to change the background color of an element to YUV 20.3160, 4.2812, 26.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 3, 29) }
```

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

```
.background{ background-color: rgb(51, 3,  
29) }
```

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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