

# Converting Colors

YUV(20.1770, -1.5663, 35.8018)

Have a look what the booklet for  
YUV(20.1770, -1.5663, 35.8018)  
contains.

<b>YUV(20.1770, -1.5663, 35.8018)</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(20.1770, -1.5663,  
35.8018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D0011
RGB	61, 0, 17
RGB Percent	24%, 0%, 7%
CMY	0.7608, 1.0000, 0.9333
CMYK	0.00, 1.00, 0.72, 0.76
HSL	343°, 100%, 12%
HSV	343°, 100%, 24%
XYZ	2.0256, 1.0326, 0.6229
YIQ	20.1770, 30.8990, 18.2190

# Conversions

## Conversions Part 2

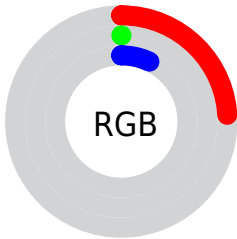
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 0, 17
Decimal	3997713
CIE <sub>Lab</sub>	9.26, 29.75, 7.06
CIE <sub>LCh</sub>	9, 30.573, 13.344
Yxy	1.0326, 0.5503, 0.2805
Android (android.graphics.Color)	4282187793 (0xFF3D0011)
YUV	20.1770, -1.5663, 35.8018
Hunter-Lab	10.1615, 17.8002, 3.4789

# Details

The YUV color **20.1770, -1.5663, 35.8018** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **40.8230, 1.5663, -35.8018**, and the grayscale version is **20.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **68.6890, -4.7767, 38.8607**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **20.1770, -1.5663, 35.8018**, and if you desaturate by 10%, it is **24.1550, -1.5554, 32.3131**.

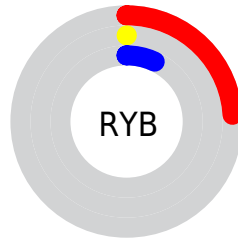
# Distribution



Red (24%)

Green (0%)

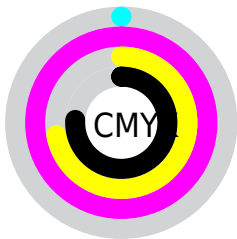
Blue (7%)



Red (24%)

Yellow (0%)

Blue (7%)

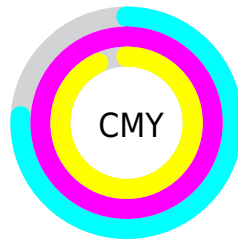


Cyan (0%)

Magenta (100%)

Yellow (72%)

Black (76%)



Cyan (76%)

Magenta (100%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 20.1770, -1.5663, 35.8018 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 20.1770, -1.5663, 35.8018 by changing the saturation by 10% instead.



■ 20.1770, -1.5663,  
35.8018

■ 20.1770, -1.5663,  
35.8018

■ 239.7890, 0.1040,  
13.3400

■ 12.0740, -5.4595,  
24.4911

■ 68.6890, -4.7767,  
38.8607

■ 0.0000, 0.0000,  
0.0000

■ 93.4720, -5.6557,  
40.8051

■ 118.9560, -6.3873,  
42.1346

■ 145.2660, -6.5401,  
44.4937

■ 172.4510, -7.1243,  
45.2085

■ 200.2340, -8.0034,

47.1528

■ 219.5740, -3.7340,  
31.0686

■ 20.1770, -1.5663,  
35.8018

■ 24.1550, -1.5554,  
32.3131

■ 28.2470, -1.1078,  
28.7244

■ 32.2250, -1.0969,  
25.2357

■ 36.3170, -0.6493,  
21.6470

■ 40.8820, -0.9278,  
17.6435

■ 44.8600, -0.9170,  
14.1548

■ 48.9520, -0.4693,  
10.5661

■ 52.9300, -0.4585,  
7.0774

■ 57.0220, -0.0108,  
3.4887

# Harmonies

## Analogous

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



22.2500, 7.7648, 29.5987



20.1770, -1.5663, 35.8018



22.0270, -10.8593, 29.7943

# Triad

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



20.1770, -1.5663, 35.8018



19.3710, -9.5499, -16.9884



26.3080, 19.5682, -23.0721

# Complementary

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



20.1770, -1.5663, 35.8018



40.8230, 1.5663, -35.8018

# 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.



26.7010, 13.4584, -23.4168



20.1770, -1.5663, 35.8018



21.7990, -5.3239, -19.1177

# Square

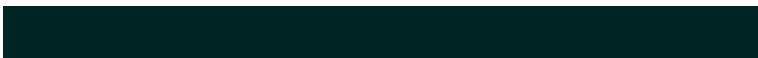
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.1770, -1.5663, 35.8018



24.2100, -11.9355, 1.5698



25.1220, 4.8699, -22.0320



22.7860, 21.3045, -19.9833



# Rectangle

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



20.1770, -1.5663, 35.8018



24.3310, -11.9952, 20.7577



25.1220, 4.8699, -22.0320



26.5530, 17.9684, -23.2870

# Sweetspot

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



20.1770, -1.5663, 35.8018



62.9740, -0.4802, 14.0548



20.1100, 20.1588, 20.9515



30.9410, -0.4639, 8.8217



168.0000, 0.0000, 0.0000



41.0000, 0.0000, 0.0000



# Same Dimension

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



20.1770, -1.5663, 35.8018



26.1290, -2.0356, 46.3679



25.8700, -12.7539, 30.8090



28.8970, -0.4422, 1.8443



31.0700, -2.4995, 55.1896



73.4460, -5.6429, 130.2819



# Inverse Universe

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



20.1770, -1.5663, 35.8018



26.1290, -2.0356, 46.3679



35.1300, 12.7539, -30.8090



28.8970, -0.4422, 1.8443



31.0700, -2.4995, 55.1896

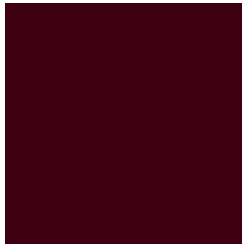


73.4460, -5.6429, 130.2819



# Previews

## White Background



This preview shows how the YUV color 20.1770, -1.5663, 35.8018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

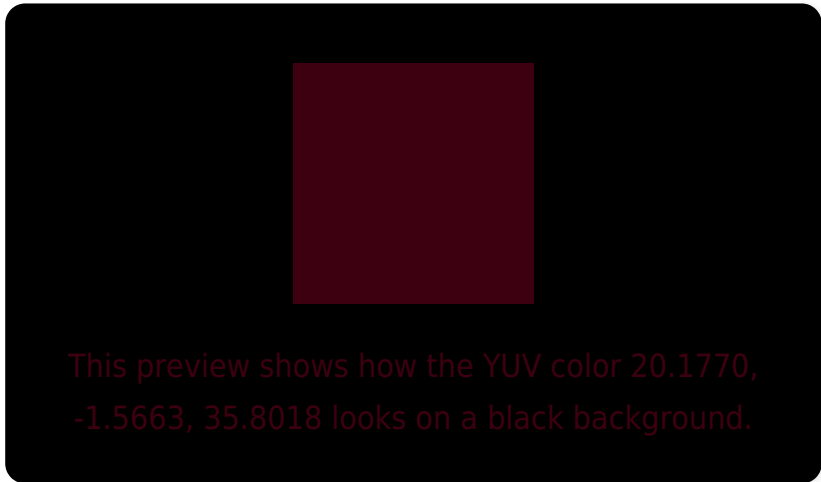
Any Text WCAG AA ✓ Pass

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

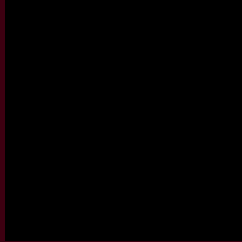
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 20.1770, -1.5663, 35.8018

## Background



This preview shows how black text looks on a background with the YUV color 20.1770, -1.5663, 35.8018.



This preview shows how white text looks on a background with the YUV color 20.1770, -1.5663,



# 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

20.1770, -1.5663, 35.8018

### Protanopia

30.9140, -2.9156, 1.8294

### Deuteranopia

30.5680, -8.1680, 6.5179



## Tritanopia

22.9180, -8.8336, 33.3979

# Trichromacy



## Original Color

20.1770, -1.5663, 35.8018

## Protanomaly

27.1050, -2.5168, 13.9399

## Deuteranomaly

26.6170, -5.7272, 16.9989

## Tritanomaly

21.6130, -6.2182, 34.5424

# Monochromacy



## Original Color

20.1770, -1.5663, 35.8018

## Achromatopsia

20.0000, 0.0000, 0.0000

## Achromatomaly

20.2620, -0.6222, 12.9252

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 20.1770, -1.5663, 35.8018 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(61, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 17)  
}
```

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(61, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 17) }
```

## Border

The CSS property to change the border of an element to YUV 20.1770, -1.5663, 35.8018 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(61, 0, 17) }
```



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

```
.border{ border-color:rgb(61, 0, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 0, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 0, 17); box-shadow:4px  
4px 4px 4px rgb(61, 0, 17) }
```

# Background

The CSS property to change the background color of an element to YUV 20.1770, -1.5663, 35.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 17) }
```

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

```
.background{ background-color: rgb(61, 0,  
17) }
```

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