

# Converting Colors

YUV(17.3540, 20.0385, 12.8445)

Have a look what the booklet for  
YUV(17.3540, 20.0385, 12.8445)  
contains.

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# Color

**YUV(17.3540, 20.0385,  
12.8445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20023A
RGB	32, 2, 58
RGB Percent	13%, 1%, 23%
CMY	0.8745, 0.9922, 0.7725
CMYK	0.45, 0.97, 0.00, 0.77
HSL	272°, 93%, 12%
HSV	272°, 97%, 23%
XYZ	1.3811, 0.6560, 4.0568
YIQ	17.3540, -0.0960, 23.7760

# Conversions

## Conversions Part 2

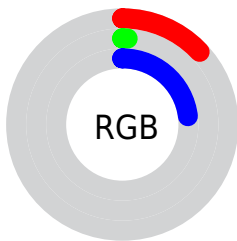
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">32, 2, 58</a>
Decimal	<a href="#">2097722</a>
CIELab	<a href="#">5.93, 27.50, -29.00</a>
CIELCh	<a href="#">6, 39.966, 313.487</a>
Yxy	<a href="#">0.6560, 0.2266, 0.1076</a>
Android (android.graphics.Color)	<a href="#">4280287802 (0xFF20023A)</a>
YUV	<a href="#">17.3540, 20.0385, 12.8445</a>
Hunter-Lab	<a href="#">8.0993, 16.2643, -24.0281</a>

# Details

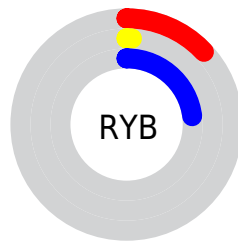
The YUV color **17.3540, 20.0385, 12.8445** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **42.6460, -20.0385, -12.8445**, and the grayscale version is **17.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **63.5930, 20.9067, 14.3889**, and **1.2540, 4.8048, -1.0998** is the 20% darker color. If you saturate the color by 10%, you get **15.8810, 20.7647, 13.2594**, and if you desaturate by 10%, it is **21.7730, 17.8599, 11.6001**.

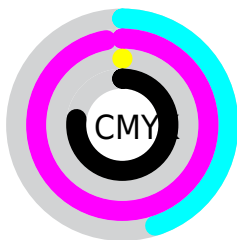
# Distribution



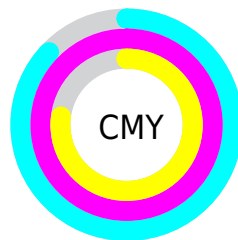
- Red (13%)
- Green (1%)
- Blue (23%)



- Red (13%)
- Yellow (1%)
- Blue (23%)



- Cyan (45%)
- Magenta (97%)
- Yellow (0%)
- Black (77%)



- Cyan (87%)
- Magenta (99%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 17.3540, 20.0385, 12.8445 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 17.3540, 20.0385, 12.8445 by changing the saturation by 10% instead.



■ 17.3540, 20.0385,  
12.8445

■ 17.3540, 20.0385,  
12.8445

■ 238.5640, 8.1029,  
14.4144

■ 4.1040, 15.7247,  
-3.5992

■ 63.5930, 20.9067,  
14.3889

■ 1.2540, 4.8048,  
-1.0998

■ 87.4190, 21.4854,  
15.4185

■ 0.0000, 0.0000,  
0.0000


■ 112.3590, 22.5010,  
16.3482


■ 137.8860, 23.2272,  
16.7630


■ 164.5980, 23.3692,  
17.8926


■ 192.1250, 24.0954,


18.3074


 217.9420, 18.2696,  
20.2219


 17.3540, 20.0385,  
12.8445


 17.3540, 20.0385,  
12.8445


 15.8810, 20.7647,  
13.2594

 21.7730, 17.8599,  
11.6001

 25.8930, 15.8288,  
9.7408

 29.7250, 13.9396,  
9.0112

 34.1440, 11.7610,  
7.7667

 38.2640, 9.7298,  
5.9075

■ 42.6830, 7.5513,  
4.6630

■ 47.1020, 5.3727,  
3.4185

■ 50.9340, 3.4835,  
2.6889

■ 55.0540, 1.4524,  
0.8296

# Harmonies

## Analogous

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



19.3610, 25.9510, -16.9796



17.3540, 20.0385, 12.8445



20.7340, 7.0331, 30.9283

# Triad

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



17.3540, 20.0385, 12.8445



18.4060, -9.0742, 17.1839



21.1440, 4.8590, -18.5433

# Complementary

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



17.3540, 20.0385, 12.8445



42.6460, -20.0385, -12.8445

# 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.



17.0230, -8.3923, -14.9292



17.3540, 20.0385, 12.8445



16.1920, -7.9827, -6.3074

# Square

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



17.3540, 20.0385, 12.8445



16.1460, -7.9600, 33.1980



17.0230, -8.3923, -14.9292



24.4670, 15.0528, -21.4576



# Rectangle

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



17.3540, 20.0385, 12.8445



20.1770, -1.5663, 35.8018



17.0230, -8.3923, -14.9292



20.1180, 0.9278, -17.6435

# Sweetspot

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



17.3540, 20.0385, 12.8445



60.2100, 8.2775, 5.0778



23.6460, 16.9365, -18.9835



28.5750, 4.6465, 3.0037



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



17.3540, 20.0385, 12.8445



21.0370, 27.5898, 17.5076



24.9000, 15.3323, 29.0287



25.9400, 1.0156, 0.9296



25.1390, 32.9625, 20.9261



59.9490, 78.4121, 50.0337



# Inverse Universe

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



21.7080, 3.1020, 31.8281



27.1270, 4.3744, 43.7386



35.1000, -15.3323, -29.0287



26.1250, 0.4314, 1.6444



32.4100, 5.2209, 52.2604

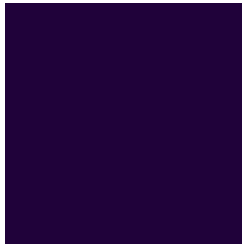


77.1090, 12.2713, 124.4384



# Previews

## White Background



This preview shows how the YUV color 17.3540, 20.0385, 12.8445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

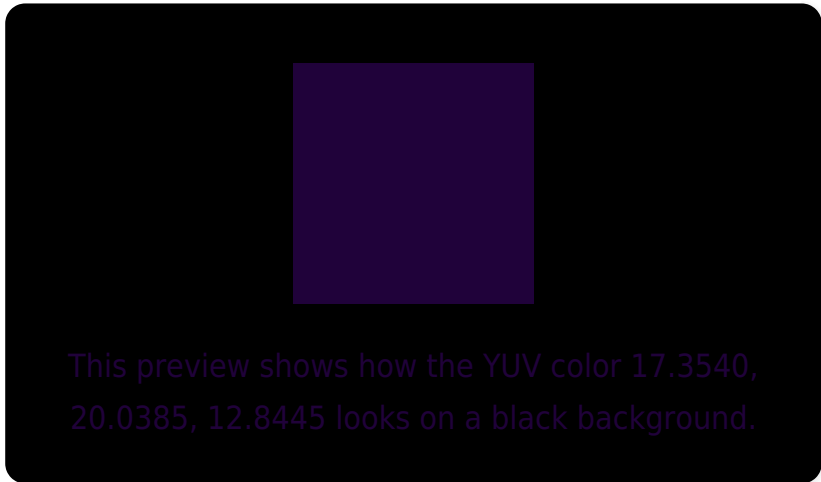
Any Text WCAG AA ✓ Pass

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 17.3540, 20.0385, 12.8445

## Background



This preview shows how black text looks on a background with the YUV color 17.3540, 20.0385, 12.8445.



This preview shows how white text looks on a background with the YUV color 17.3540, 20.0385,



# 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

17.3540, 20.0385, 12.8445

### Protanopia

18.2720, 14.1629, -16.0245

### Deuteranopia

18.6480, 10.5265, -16.3543



## Tritanopia

23.4130, 0.2894, 0.5148

# Trichromacy



## Original Color

17.3540, 20.0385, 12.8445

## Protanomaly

18.2070, 16.1669, -5.4435

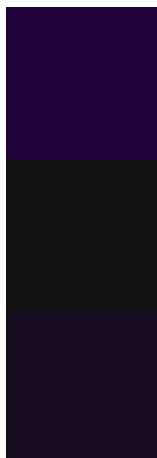
## Deuteranomaly

18.3380, 14.1304, -5.5584

## Tritanomaly

20.9820, 7.4039, 5.2778

# Monochromacy



## Original Color

17.3540, 20.0385, 12.8445

## Achromatopsia

17.0000, 0.0000, 0.0000

## Achromatomaly

17.2700, 7.2619, 4.1482

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 17.3540, 20.0385, 12.8445 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(32, 2, 58)` looks like.

```
.text, #text, p{  
    color:rgb(32, 2, 58)  
}
```

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(32, 2, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 2, 58) }
```

## Border

The CSS property to change the border of an element to YUV 17.3540, 20.0385, 12.8445 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(32, 2, 58) }
```



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

```
.border{ border-color:rgb(32, 2, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 2, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 2, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(32, 2, 58); box-shadow:4px  
4px 4px 4px rgb(32, 2, 58) }
```

# Background

The CSS property to change the background color of an element to YUV 17.3540, 20.0385, 12.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 2, 58) }
```

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

```
.background{ background-color: rgb(32, 2,  
58) }
```

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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