

# Converting Colors

YUV(42.2510, -20.8297, 7.6729)

Have a look what the booklet for  
YUV(42.2510, -20.8297, 7.6729)  
contains.

<b>YUV(42.2510, -20.8297, 7.6729)</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(42.2510, -20.8297,  
7.6729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	332E00
RGB	51, 46, 0
RGB Percent	20%, 18%, 0%
CMY	0.8000, 0.8196, 1.0000
CMYK	0.00, 0.10, 1.00, 0.80
HSL	54°, 100%, 10%
HSV	54°, 100%, 20%
XYZ	2.3422, 2.6578, 0.3896
YIQ	42.2510, 17.7460, -13.2460

# Conversions

## Conversions Part 2

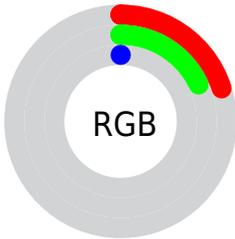
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">6, 51, 0</a>
Decimal	<a href="#">3354112</a>
CIELab	<a href="#">18.62, -3.71, 26.53</a>
CIELCh	<a href="#">19, 26.786, 97.968</a>
Yxy	<a href="#">2.6578, 0.4346, 0.4931</a>
Android (android.graphics.Color)	<a href="#">4281544192 (0xFF332E00)</a>
YUV	<a href="#">42.2510, -20.8297, 7.6729</a>
Hunter-Lab	<a href="#">16.3028, -2.8845, 9.9952</a>

# Details

The YUV color **42.2510, -20.8297, 7.6729** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8.7490, 20.8297, -7.6729**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.9630, -20.6878, 8.8024**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **42.2510, -20.8297, 7.6729**, and if you desaturate by 10%, it is **43.4080, -18.9351, 6.6582**.

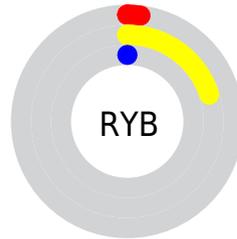
# Distribution



Red (20%)

Green (18%)

Blue (0%)



Red (2%)

Yellow (20%)

Blue (0%)

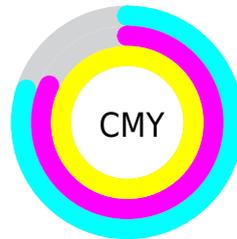


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (80%)



Cyan (80%)

Magenta (82%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.2510, -20.8297, 7.6729 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 42.2510, -20.8297, 7.6729 by changing the saturation by 10% instead.

42.2510, -20.8297,  
7.6729

42.2510, -20.8297,  
7.6729

251.9220,  
-11.7935, 2.6994

23.0470, -11.3622,  
4.3438

88.9630, -20.6878,  
8.8024

0.0000, 0.0000,  
0.0000

113.4470,  
-21.4194, 10.1320

139.2190,  
-22.2930, 10.3319

165.4040,  
-22.8772, 11.0467

192.5890,  
-23.4614, 11.7614

220.7740,

-24.0456, 12.4762

 246.8550,  
-23.5925, 7.1432

 42.2510, -20.8297,  
7.6729

 43.4080, -18.9351,  
6.6582

 43.9780, -16.7512,  
6.1583

 44.5480, -14.5672,  
5.6584

 45.7050, -12.6726,  
4.6437

 46.9760, -10.3412,  
3.5290

■ 47.5460, -8.1572,  
3.0292

■ 48.1160, -5.9732,  
2.5293

■ 49.2730, -4.0786,  
1.5146

■ 50.4300, -2.1840,  
0.4999

# Harmonies

## Analogous

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



43.4960, -18.9785, 20.6130



42.2510, -20.8297, 7.6729



40.2750, -13.9396, -9.0112

# Triad

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



42.2510, -20.8297, 7.6729



39.5640, 14.5119, -34.6976



46.2770, 6.7654, 23.4361

# Complementary

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



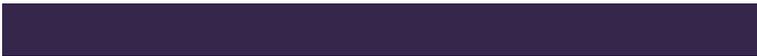
42.2510, -20.8297, 7.6729



8.7490, 20.8297, -7.6729

# 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.



46.8170, 14.3872, 5.4225



42.2510, -20.8297, 7.6729



39.1710, 20.6217, -34.3530

# Square

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



42.2510, -20.8297, 7.6729



37.9850, 5.9234, -33.3128



40.1660, 21.6102, -24.7016



44.4430, -1.6974, 31.1835

# Rectangle

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



42.2510, -20.8297, 7.6729



36.5380, -6.1812, -24.1508



40.1660, 21.6102, -24.7016



46.6400, 9.5445, 18.7327

# Sweetspot

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



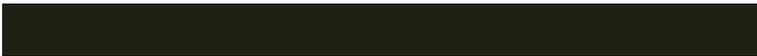
42.2510, -20.8297, 7.6729



62.5460, -8.1572, 3.0292



15.8190, -5.3338, 30.8537



31.0450, -4.9522, 1.7145



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.



42.2510, -20.8297, 7.6729



54.9540, -27.0923, 9.6873



39.2060, -19.3286, -7.1967



25.0710, -1.0210, 0.8147



73.5710, -36.2705, 13.5312



179.3480, -88.4186, 33.0208



# Inverse Universe

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



8.7490, 20.8297, -7.6729



11.0460, 27.0923, -9.6873



11.7940, 19.3286, 7.1967



23.3420, 1.3104, -0.2999



15.4290, 36.2705, -13.5312

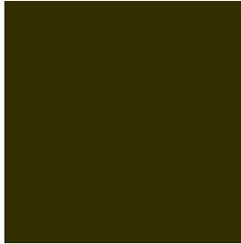


37.0650, 88.7080, -32.5060



# Previews

## White Background



This preview shows how the YUV color 42.2510, -20.8297, 7.6729 looks on a white background.

## Color Contrast Check

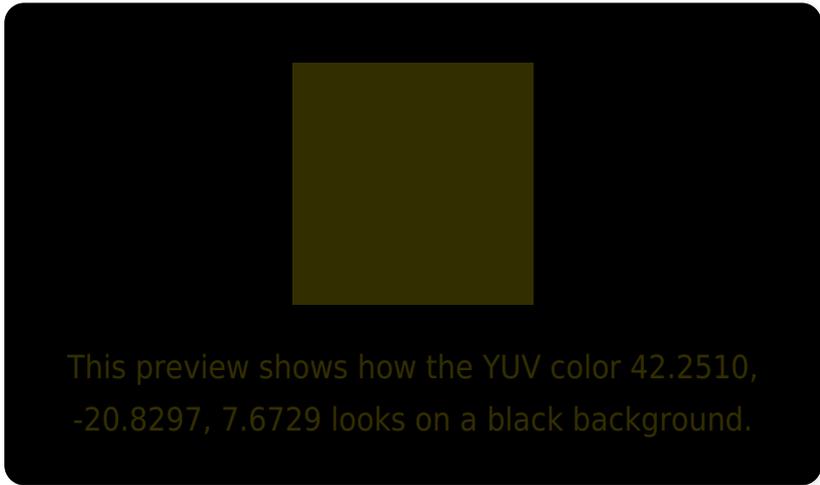
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2510, -20.8297, 7.6729

## Background



This preview shows how black text looks on a background with the YUV color 42.2510, -20.8297, 7.6729.



This preview shows how white text looks on a background with the YUV color 42.2510, -20.8297,



# 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

42.2510, -20.8297, 7.6729

### Protanopia

42.5500, -20.9771, 8.2877

### Deuteranopia

43.2670, -18.3726, 12.9208



## Tritanopia

46.6310, -0.3111, 6.4626

# Trichromacy



## Original Color

42.2510, -20.8297, 7.6729

## Protanomaly

42.5500, -20.9771, 8.2877

## Deuteranomaly

42.7290, -19.0934, 10.7617

## Tritanomaly

44.9810, -7.8786, 7.0327

# Monochromacy



## Original Color

42.2510, -20.8297, 7.6729

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

41.7740, -7.2836, 2.8292

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.2510, -20.8297, 7.6729 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, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 46, 0)  
}
```

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, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 46, 0) }
```

## Border

The CSS property to change the border of an element to YUV 42.2510, -20.8297, 7.6729 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, 46, 0) }
```

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

```
.border{ border-color:rgb(51, 46, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 46, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 46, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 46, 0); box-shadow:4px  
4px 4px 4px rgb(51, 46, 0) }
```

# Background

The CSS property to change the background color of an element to YUV 42.2510, -20.8297, 7.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 46, 0) }
```

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

```
.background{ background-color: rgb(51, 46,  
0) }
```

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