

# Converting Colors

YUV(47.2360, -17.8643,  
36.6270)

Have a look what the booklet for  
YUV(47.2360, -17.8643, 36.6270)  
contains.

<b>YUV(47.2360, -17.8643, 36.6270)</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(47.2360, -17.8643,  
36.6270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59210B
RGB	89, 33, 11
RGB Percent	35%, 13%, 4%
CMY	0.6510, 0.8706, 0.9569
CMYK	0.00, 0.63, 0.88, 0.65
HSL	17°, 78%, 20%
HSV	17°, 88%, 35%
XYZ	4.7241, 3.2357, 0.6922
YIQ	47.2360, 40.4380, 5.0300

# Conversions

## Conversions Part 2

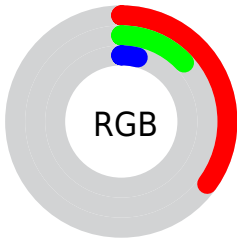
Format	Color
<b>RYB</b>	89, 42, 11
Decimal	5841163
CIELab	20.96, 24.51, 26.24
CIELCh	21, 35.908, 46.961
Yxy	3.2357, 0.5460, 0.3740
Android (android.graphics.Color)	4284031243 (0xFF59210B)
YUV	47.2360, -17.8643, 36.6270
Hunter-Lab	17.9881, 15.3989, 10.3102

# Details

The YUV color **47.2360, -17.8643, 36.6270** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **52.7640, 17.8643, -36.6270**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.6990, -20.0646, 42.3600**, and **12.0740, -5.4595, 24.4911** is the 20% darker color. If you saturate the color by 10%, you get **42.6880, -20.0592, 40.6156**, and if you desaturate by 10%, it is **51.7840, -15.6695, 32.6384**.

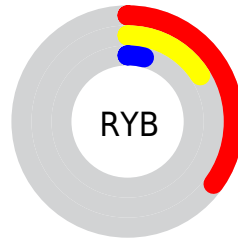
# Distribution



Red (35%)

Green (13%)

Blue (4%)



Red (35%)

Yellow (16%)

Blue (4%)

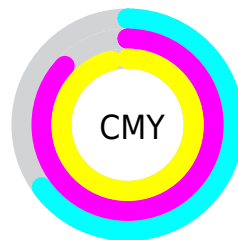


Cyan (0%)

Magenta (63%)

Yellow (88%)

Black (65%)



Cyan (65%)

Magenta (87%)


Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 47.2360, -17.8643, 36.6270 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 47.2360, -17.8643, 36.6270 by changing the saturation by 10% instead.





 47.2360, -17.8643,  
36.6270


 47.2360, -17.8643,  
36.6270


 252.8340, -8.2992,  
1.8996

 24.7070, -12.1806,  
33.5830

 95.6990, -20.0646,  
42.3600


 12.0740, -5.4595,  
24.4911

 121.3680,  
-21.3804, 44.4043

 0.0000, 0.0000,  
0.0000

 148.0370,  
-22.6962, 46.4486

 174.8200,  
-23.5753, 48.3929

 201.1080,  
-23.7172, 47.2633

 220.6220,

-20.0266, 30.1495

■ 240.2500,  
-15.8992, 12.9358

■ 47.2360, -17.8643,  
36.6270

■ 47.2360, -17.8643,  
36.6270

■ 42.6880, -20.0592,  
40.6156

■ 51.7840, -15.6695,  
32.6384

■ 41.2860, -20.3540,  
41.8452

■ 56.9190, -13.7641,  
28.1350

■ 61.4670, -11.5692,  
24.1464

■ 66.6020, -9.6638,  
19.6430

■ 71.1500, -7.4690,  
15.6544

■ 75.5840, -5.7109,  
11.7658

■ 80.7190, -3.8055,  
7.2624

■ 85.2670, -1.6106,  
3.2738

■ 90.4020, 0.2948,  
-1.2296

# Harmonies

## Analogous

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



46.1350, -4.5036, 44.6086



47.2360, -17.8643, 36.6270



47.9430, -23.6359, 21.0980

# Triad

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



47.2360, -17.8643, 36.6270



40.7260, -1.3439, -35.7167



45.6700, 27.2777, -22.5126

# Complementary

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



47.2360, -17.8643, 36.6270



52.7640, 17.8643, -36.6270

# 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.



45.0870, 28.0581, -39.5413



47.2360, -17.8643, 36.6270



43.8040, 10.4496, -38.4161

# Square

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



47.2360, -17.8643, 36.6270



39.9590, -14.7698, -22.7660



45.9530, 21.2222, -40.3008



51.9800, 17.2649, 15.8035



# Rectangle

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



47.2360, -17.8643, 36.6270



47.2790, -23.3085, 9.4023



45.9530, 21.2222, -40.3008



42.2660, 29.9419, -37.0673

# Sweetspot

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



47.2360, -17.8643, 36.6270



98.6660, -6.7373, 14.3249



40.8200, 13.3997, 42.2539



49.2030, -4.5371, 8.5920



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



47.2360, -17.8643, 36.6270



53.1690, -26.2123, 54.2258



69.5420, -28.8612, 17.0647



40.7830, -0.8790, 1.9443



49.6030, -24.4543, 50.3372



109.0070, -53.7405, 110.4959



# Inverse Universe

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



52.7640, 17.8643, -36.6270



61.2440, 26.5017, -53.7110



30.4580, 28.8612, -17.0647



41.2170, 0.8790, -1.9443



57.3970, 24.4543, -50.3372

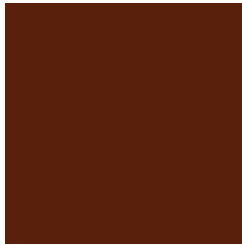


125.4060, 54.0298, -109.9811



# Previews

## White Background



This preview shows how the YUV color 47.2360, -17.8643, 36.6270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

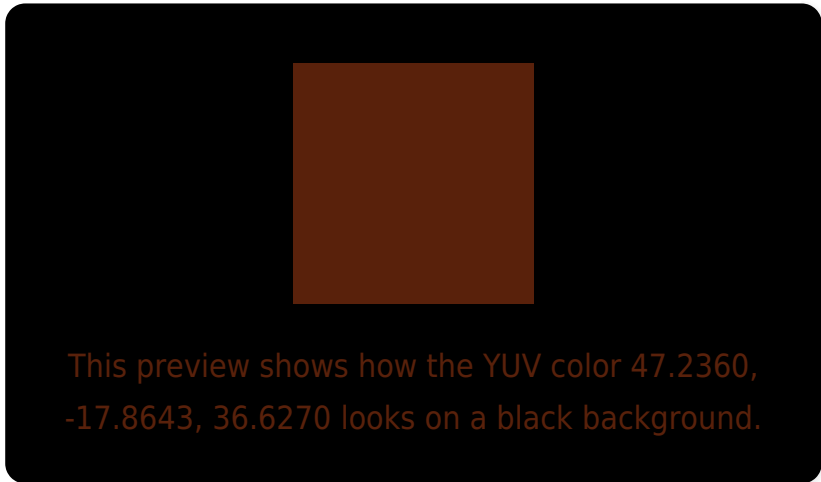
Any Text WCAG AA ✓ Pass

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

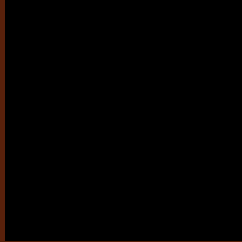
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 47.2360, -17.8643, 36.6270

## Background



This preview shows how black text looks on a background with the YUV color 47.2360, -17.8643, 36.6270.



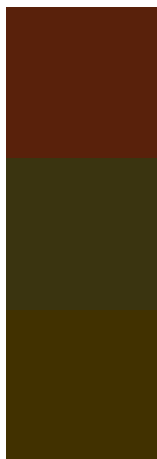
This preview shows how white text looks on a background with the YUV color 47.2360, -17.8643,



# 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

47.2360, -17.8643, 36.6270

### Protanopia

49.6900, -16.6092, 7.2879

### Deuteranopia

48.1980, -23.7616, 14.7354



## Tritanopia

48.8690, -7.8234, 36.0719

# Trichromacy



## Original Color

47.2360, -17.8643, 36.6270

## Protanomaly

48.6420, -17.0785, 17.8540

## Deuteranomaly

47.8230, -21.6047, 22.9572

## Tritanomaly

48.5440, -11.6072, 36.3569

# Monochromacy



## Original Color

47.2360, -17.8643, 36.6270

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

47.0680, -6.4425, 13.0954

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.2360, -17.8643, 36.6270 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(89, 33, 11)` looks like.

```
.text, #text, p{  
    color:rgb(89, 33, 11)  
}
```

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(89, 33, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 33, 11) }
```

## Border

The CSS property to change the border of an element to YUV 47.2360, -17.8643, 36.6270 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(89, 33, 11) }
```



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

```
.border{ border-color:rgb(89, 33, 11) }
```

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

Here you see how a box with a 4 pixel rgb(89, 33, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 33, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 33, 11);  
box-shadow:4px 4px 4px 4px rgb(89, 33, 11)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.2360, -17.8643, 36.6270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 33, 11) }
```

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

```
.background{ background-color: rgb(89, 33,  
11) }
```

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