

# Converting Colors

YUV(47.0780, -18.2795,  
29.7496)

Have a look what the booklet for  
YUV(47.0780, -18.2795, 29.7496)  
contains.

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# Color

**YUV(47.0780, -18.2795,  
29.7496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51250A
RGB	81, 37, 10
RGB Percent	32%, 15%, 4%
CMY	0.6824, 0.8549, 0.9608
CMYK	0.00, 0.54, 0.88, 0.68
HSL	23°, 78%, 18%
HSV	23°, 88%, 32%
XYZ	4.1097, 3.0944, 0.6678
YIQ	47.0780, 34.8910, 0.9310

# Conversions

## Conversions Part 2

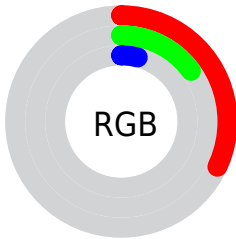
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 54, 10
Decimal	5317898
CIELab	20.42, 18.52, 25.65
CIELCh	20, 31.638, 54.172
Yxy	3.0944, 0.5221, 0.3931
Android (android.graphics.Color)	4283507978 (0xFF51250A)
YUV	47.0780, -18.2795, 29.7496
Hunter-Lab	17.5909, 10.9184, 10.0627

# Details

The YUV color **47.0780, -18.2795, 29.7496** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **43.9220, 18.2795, -29.7496**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.9430, -20.1849, 34.2530**, and **9.9810, -4.4276, 20.1877** is the 20% darker color. If you saturate the color by 10%, you get **43.2310, -20.3269, 33.1234**, and if you desaturate by 10%, it is **50.9250, -16.2320, 26.3758**.

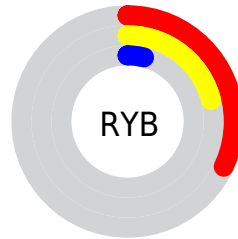
# Distribution



 Red (32%)

 Green (15%)

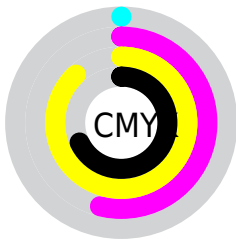
 Blue (4%)



 Red (32%)

 Yellow (21%)

 Blue (4%)

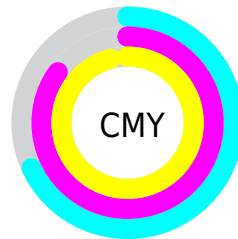


 Cyan (0%)

 Magenta (54%)

 Yellow (88%)

 Black (68%)



 Cyan (68%)

 Magenta (85%)


 Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 47.0780, -18.2795, 29.7496 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 47.0780, -18.2795, 29.7496 by changing the saturation by 10% instead.





 47.0780, -18.2795,  
29.7496


 47.0780, -18.2795,  
29.7496

 252.8340, -8.2992,  
1.8996

 26.1360, -12.8850,  
26.1907


 94.9430, -20.1849,  
34.2530


 9.9810, -4.4276,  
20.1877

 120.0250,  
-21.2113, 36.8121

 0.0000, 0.0000,  
0.0000


 146.3950,  
-22.3797, 38.2416


 173.2920,  
-22.8220, 40.0859


 201.0750,  
-23.7010, 42.0302


 222.3830,


-20.8948, 28.6051


 241.8970,  
-17.2042, 11.4913


 47.0780, -18.2795,  
29.7496


 47.0780, -18.2795,  
29.7496


 43.2310, -20.3269,  
33.1234


 50.9250, -16.2320,  
26.3758

 42.4160, -20.9111,  
33.8382

 54.7720, -14.1846,  
23.0020

 58.6190, -12.1372,  
19.6281

 62.4660, -10.0897,  
16.2543

 66.3130, -8.0423,  
12.8805

■ 70.2740, -5.5581,  
9.4067

■ 74.1210, -3.5107,  
6.0329

■ 77.9680, -1.4632,  
2.6591

■ 81.8150, 0.5842,  
-0.7148

# Harmonies

## Analogous

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



46.9940, -7.3920, 37.7163



47.0780, -18.2795, 29.7496



47.0240, -23.1828, 15.7650

# Triad

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



47.0780, -18.2795, 29.7496



40.2360, 1.8557, -35.2870



48.8630, 21.2665, -7.7729

# Complementary

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



47.0780, -18.2795, 29.7496



43.9220, 18.2795, -29.7496

# 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.



42.0550, 26.5949, -36.8822



47.0780, -18.2795, 29.7496



42.9720, 12.3388, -37.6864

# Square

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



47.0780, -18.2795, 29.7496



38.7180, -9.2280, -26.9397



43.9640, 21.2167, -38.5564



50.5630, 13.0334, 19.6772



# Rectangle

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



47.0780, -18.2795, 29.7496



45.1860, -22.2767, 5.0989



43.9640, 21.2167, -38.5564



44.8720, 24.2201, -21.8127

# Sweetspot

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



47.0780, -18.2795, 29.7496



91.8290, -7.3107, 11.5510



36.3590, 9.1900, 39.1502



45.6050, -4.2423, 7.3624



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



47.0780, -18.2795, 29.7496



54.8750, -27.0534, 43.9596



67.6230, -28.4081, 11.7316



38.7830, -0.8790, 1.9443



121.0240, -59.6648, 97.3260

# Inverse Universe

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



43.9220, 18.2795, -29.7496



50.1250, 27.0534, -43.9596



23.3770, 28.4081, -11.7316



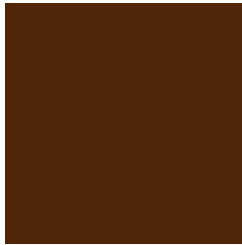
38.6300, 1.1684, -1.4295



110.9760, 59.6648, -97.3260

# Previews

## White Background



This preview shows how the YUV color 47.0780, -18.2795, 29.7496 looks on a white background.

## Color Contrast Check

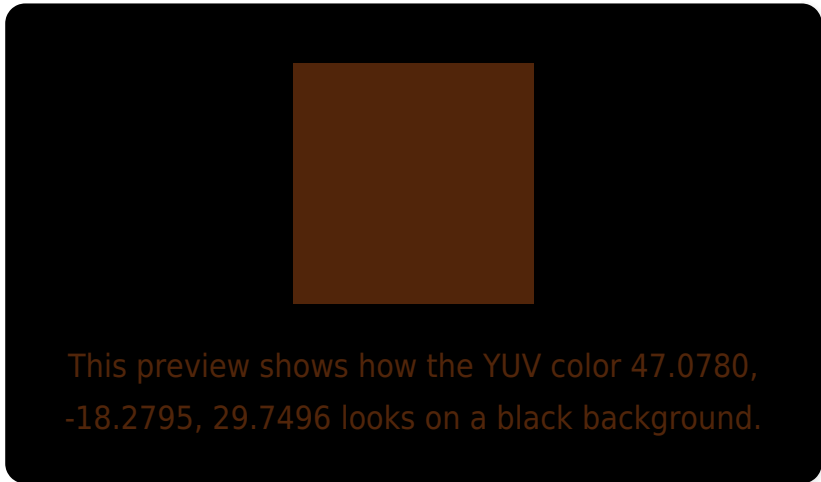
Large Text (above 18pt) WCAG AA ✓ Pass

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

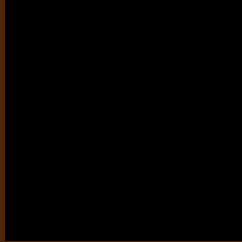
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 47.0780, -18.2795, 29.7496

## Background



This preview shows how black text looks on a background with the YUV color 47.0780, -18.2795, 29.7496.



This preview shows how white text looks on a background with the YUV color 47.0780, -18.2795,





# 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

47.0780, -18.2795, 29.7496

### Protanopia

47.5760, -17.0460, 7.3878

### Tritanopia

49.2810, -6.0545, 28.6946

# Trichromacy



## Original Color

47.0780, -18.2795, 29.7496

## Protanomaly

47.2180, -17.3625, 15.5948

## Tritanomaly

48.7280, -10.7119, 29.1795

# Monochromacy



## Original Color

47.0780, -18.2795, 29.7496

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7580, -6.2897, 10.7362

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.0780, -18.2795, 29.7496 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(81, 37, 10)` looks like.

```
.text, #text, p{  
    color:rgb(81, 37, 10)  
}
```

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(81, 37, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 37, 10) }
```

## Border

The CSS property to change the border of an element to YUV 47.0780, -18.2795, 29.7496 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(81, 37, 10) }
```

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

```
.border{ border-color:rgb(81, 37, 10) }
```

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

Here you see how a box with a 4 pixel rgb(81, 37, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 37, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 37, 10);  
box-shadow:4px 4px 4px 4px rgb(81, 37, 10)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.0780, -18.2795, 29.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 37, 10) }
```

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

```
.background{ background-color: rgb(81, 37,  
10) }
```

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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