

# Converting Colors

YUV(40.7780, -16.6526,  
21.2427)

Have a look what the booklet for  
YUV(40.7780, -16.6526, 21.2427)  
contains.

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# Color

**YUV(40.7780, -16.6526,  
21.2427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	412307
RGB	65, 35, 7
RGB Percent	25%, 14%, 3%
CMY	0.7451, 0.8627, 0.9725
CMYK	0.00, 0.46, 0.89, 0.75
HSL	29°, 81%, 14%
HSV	29°, 89%, 25%
XYZ	2.8194, 2.3412, 0.5043
YIQ	40.7780, 26.8680, -2.3480

# Conversions

## Conversions Part 2

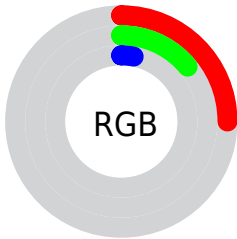
Format	Color
<a href="#">RYB</a>	<a href="#">65, 61, 7</a>
Decimal	<a href="#">4268807</a>
CIELab	<a href="#">17.18, 11.74, 22.42</a>
CIELCh	<a href="#">17, 25.304, 62.358</a>
Yxy	<a href="#">2.3412, 0.4977, 0.4133</a>
Android (android.graphics.Color)	<a href="#">4282458887</a> ( <a href="#">0xFF412307</a> )
YUV	<a href="#">40.7780, -16.6526, 21.2427</a>
Hunter-Lab	<a href="#">15.3010, 6.1134, 8.7566</a>

# Details

The YUV color **40.7780, -16.6526, 21.2427** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **31.2220, 16.6526, -21.2427**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.5720, -17.5370, 24.9314**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **38.3330, -18.4052, 23.3870**, and if you desaturate by 10%, it is **43.3370, -14.4631, 18.9985**.

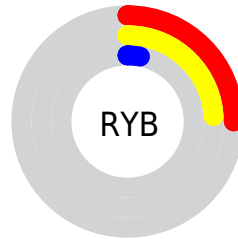
# Distribution



Red (25%)

Green (14%)

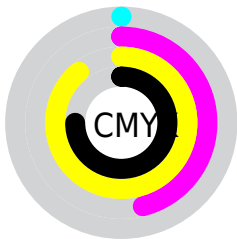
Blue (3%)



Red (25%)

Yellow (24%)

Blue (3%)

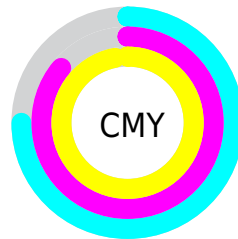


Cyan (0%)

Magenta (46%)

Yellow (89%)

Black (75%)



Cyan (75%)

Magenta (86%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.7780, -16.6526, 21.2427 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 40.7780, -16.6526, 21.2427 by changing the saturation by 10% instead.



■ 40.7780, -16.6526,  
21.2427

■ 40.7780, -16.6526,  
21.2427

■ 252.3780,  
-10.0464, 2.2995

■ 21.0640, -10.3846,  
17.4839

■ 87.5720, -17.5370,  
24.9314

■ 0.0000, 0.0000,  
0.0000

■ 112.0560,  
-18.2686, 26.2609


■ 137.8390,  
-19.1476, 28.2052


■ 164.3230,  
-19.8792, 29.5347


■ 191.8070,  
-20.6109, 30.8643


■ 219.1060,


-20.7583, 31.4790


 239.2070,  
-17.3571, 13.8505


 40.7780, -16.6526,  
21.2427


 40.7780, -16.6526,  
21.2427


 38.3330, -18.4052,  
23.3870


 43.3370, -14.4631,  
18.9985

 37.6320, -18.5526,  
24.0017

 46.3690, -12.9999,  
16.3394

 48.8140, -11.2473,  
14.1951

 51.3730, -9.0579,  
11.9509

 54.5190, -7.1579,  
9.1918

■ 56.9640, -5.4053,  
7.0476

■ 60.1100, -3.5052,  
4.2885

■ 62.5550, -1.7526,  
2.1443

■ 65.1140, 0.4368,  
-0.1000

# Harmonies

## Analogous

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



41.2980, -8.5279, 28.6797



40.7780, -16.6526, 21.2427



39.9030, -19.6722, 9.7321

# Triad

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



40.7780, -16.6526, 21.2427



34.8390, 4.0234, -30.5538



43.1970, 14.6929, 0.7042

# Complementary

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



40.7780, -16.6526, 21.2427



31.2220, 16.6526, -21.2427

# 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.



34.8340, 21.7738, -30.5494



40.7780, -16.6526, 21.2427



36.8910, 11.8857, -32.3534

# Square

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



40.7780, -16.6526, 21.2427



33.0970, -3.9918, -26.3951



36.6120, 18.4323, -32.1087



43.1840, 7.7973, 19.1326



# Rectangle

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



40.7780, -16.6526, 21.2427



38.4180, -17.4611, 0.5104



36.6120, 18.4323, -32.1087



41.7230, 16.8986, -6.7731

# Sweetspot

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



40.7780, -16.6526, 21.2427



74.3340, -6.5737, 8.4771



27.8760, 4.9911, 32.5577



37.2950, -4.0894, 5.0033



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000



# Same Dimension

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



40.7780, -16.6526, 21.2427



49.1830, -24.2472, 30.5345



57.2140, -24.7555, 6.8283



31.4840, -0.7316, 1.3295



56.5920, -27.8999, 35.4378



130.3720, -64.2734, 82.1118



# Inverse Universe

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



31.2220, 16.6526, -21.2427



35.4040, 23.9578, -31.0493



14.7860, 24.7555, -6.8283



31.5160, 0.7316, -1.3295



40.4080, 27.8999, -35.4378

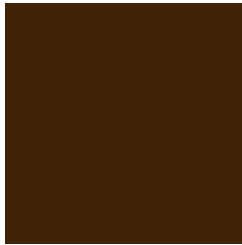


93.6280, 64.2734, -82.1118



# Previews

## White Background



This preview shows how the YUV color 40.7780, -16.6526, 21.2427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

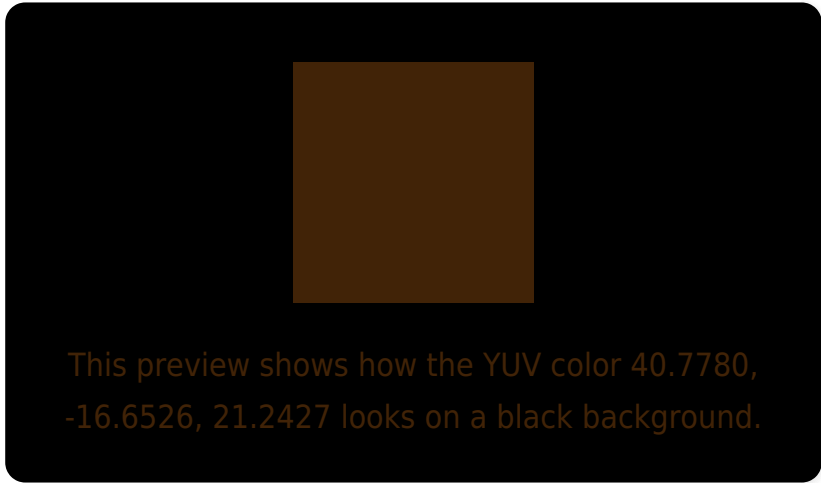
Any Text WCAG AA ✓ Pass

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

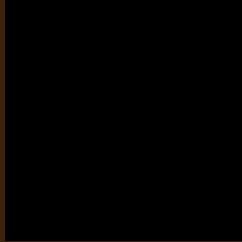
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 40.7780, -16.6526, 21.2427

## Background



This preview shows how black text looks on a background with the YUV color 40.7780, -16.6526, 21.2427.



This preview shows how white text looks on a background with the YUV color 40.7780, -16.6526,



# 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

40.7780, -16.6526, 21.2427

### Protanopia

40.6190, -15.5882, 6.4731

### Deuteranopia

40.2130, -19.8250, 12.0912



## Tritanopia

43.0950, -3.9908, 20.0877

# Trichromacy



## Original Color

40.7780, -16.6526, 21.2427

## Protanomaly

40.5380, -16.0412, 11.8062

## Deuteranomaly

40.5770, -18.5255, 15.2800

## Tritanomaly

42.5420, -8.6482, 20.5727

# Monochromacy



## Original Color

40.7780, -16.6526, 21.2427

## Achromatopsia

41.0000, 0.0000, 0.0000

## Achromatomaly

41.1490, -5.9895, 7.7623

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.7780, -16.6526, 21.2427 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(65, 35, 7)` looks like.

```
.text, #text, p{  
    color:rgb(65, 35, 7)  
}
```

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(65, 35, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 35, 7) }
```

## Border

The CSS property to change the border of an element to YUV 40.7780, -16.6526, 21.2427 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(65, 35, 7) }
```



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

```
.border{ border-color:rgb(65, 35, 7) }
```

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

Here you see how a box with a 4 pixel rgb(65, 35, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 35, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 35, 7); box-shadow:4px  
4px 4px 4px rgb(65, 35, 7) }
```

# Background

The CSS property to change the background color of an element to YUV 40.7780, -16.6526, 21.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 35, 7) }
```

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

```
.background{ background-color: rgb(65, 35,  
7) }
```

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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