

Converting Colors

YUV(47.5780, -10.1450,
-12.7849)

Have a look what the booklet for
YUV(47.5780, -10.1450, -12.7849)
contains.

YUV(47.5780, -10.1450, -12.7849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(47.5780, -10.1450,
-12.7849)**

Conversions

Conversions Part 1

Format	Color
Hex	213B1B
RGB	33, 59, 27
RGB Percent	13%, 23%, 11%
CMY	0.8706, 0.7686, 0.8941
CMYK	0.44, 0.00, 0.54, 0.77
HSL	109°, 37%, 17%
HSV	109°, 54%, 23%
XYZ	2.3890, 3.5304, 1.5924
YIQ	47.5780, -5.2240, -15.4640

Conversions

Conversions Part 2

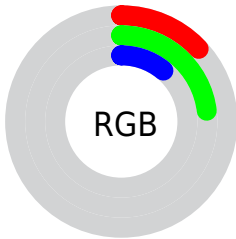
Format	Color
RYB	27, 59, 53
Decimal	2177819
CIELab	22.05, -17.56, 16.70
CIELCh	22, 24.235, 136.441
Yxy	3.5304, 0.3180, 0.4700
Android (android.graphics.Color)	4280367899 (0xFF213B1B)
YUV	47.5780, -10.1450, -12.7849
Hunter-Lab	18.7893, -10.1858, 8.1276

Details

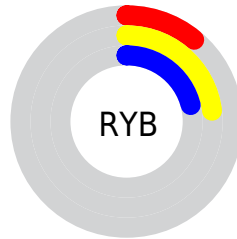
The YUV color **47.5780, -10.1450, -12.7849** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **38.4220, 10.1450, 12.7849**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.5240, -11.5973, -13.6145**, and **8.2180, -4.0515, -7.2072** is the 20% darker color. If you saturate the color by 10%, you get **45.3990, -12.0287, -15.2589**, and if you desaturate by 10%, it is **49.7570, -8.2612, -10.3109**.

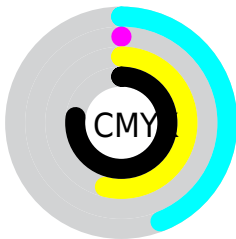
Distribution



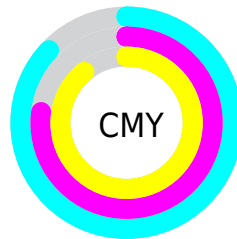
- Red (13%)
- Green (23%)
- Blue (11%)



- Red (11%)
- Yellow (23%)
- Blue (21%)



- Cyan (44%)
- Magenta (0%)
- Yellow (54%)
- Black (77%)



- Cyan (87%)
- Magenta (77%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YUV color 47.5780, -10.1450, -12.7849 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 47.5780, -10.1450, -12.7849 by changing the saturation by 10% instead.

■ 47.5780, -10.1450,
-12.7849

■ 47.5780, -10.1450,
-12.7849

255.0000, 0.0000,
0.0000

■ 25.8340, -11.7502,
-11.2554

■ 94.5240, -11.5973,
-13.6145

■ 8.2180, -4.0515,
-7.2072

■ 119.4100,
-12.0341, -13.5146

■ 0.0000, 0.0000,
0.0000

■ 144.9970,
-12.3235, -14.0294

■ 171.5840,
-12.6129, -14.5442

■ 199.0570,
-13.3391, -14.9590

■ 227.0570,

-13.3391, -14.9590

■ 246.8390, -9.2876,
-7.7518

■ 47.5780, -10.1450,
-12.7849

■ 47.5780, -10.1450,
-12.7849

■ 45.3990, -12.0287,
-15.2589

■ 49.7570, -8.2612,
-10.3109

■ 43.2200, -13.9125,
-17.7329

■ 51.9360, -6.3774,
-7.8369

■ 41.3400, -15.9436,
-19.5922

■ 53.8160, -4.3463,
-5.9776

■ 39.1610, -17.8274,
-22.0662

■ 55.9950, -2.4625,
-3.5036

■ 37.9220, -18.6955,
-23.6106

■ 58.1740, -0.5788,
-1.0296

■ 60.2390, 0.8682,
1.5444

■ 62.4180, 2.7519,
4.0184

■ 64.2980, 4.7831,
5.8777

■ 66.4770, 6.6668,
8.3517

Harmonies

Analogous

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



49.9560, -16.7403, 2.6696



47.5780, -10.1450, -12.7849



40.8230, 1.5663, -35.8018

Triad

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



47.5780, -10.1450, -12.7849



43.4910, 21.9429, -38.1416



53.0360, -4.4547, 28.9094

Complementary

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



47.5780, -10.1450, -12.7849



38.4220, 10.1450, 12.7849

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.



53.8920, 3.9972, 24.6507



47.5780, -10.1450, -12.7849



51.8150, 17.3462, -10.3618

Square

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



47.5780, -10.1450, -12.7849



44.1120, 16.7068, -38.6862



54.7530, 11.4608, 10.7406



52.2500, -12.4482, 26.0907

Rectangle

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



47.5780, -10.1450, -12.7849



42.7780, 6.5184, -37.5163



54.7530, 11.4608, 10.7406



53.1330, -1.5446, 28.8244

Sweetspot

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



47.5780, -10.1450, -12.7849



72.5280, -4.2043, -4.8481



51.8300, -12.2412, 6.2881



35.4080, -2.1731, -2.9888



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.



47.5780, -10.1450, -12.7849



59.0410, -15.7962, -20.2070



46.9240, -4.8925, -17.4733



29.7610, -0.8682, -1.5444



60.5600, -29.8561, -37.3251



142.8720, -70.4359, -88.4647

Inverse Universe

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



38.4220, 10.1450, 12.7849



44.6600, 15.9436, 19.5922



39.0760, 4.8925, 17.4733



28.9400, 1.0156, 0.9296



33.7390, 29.7087, 37.9399



79.1280, 70.4359, 88.4647

Previews

White Background



This preview shows how the YUV color 47.5780, -10.1450, -12.7849 looks on a white background.

Color Contrast Check

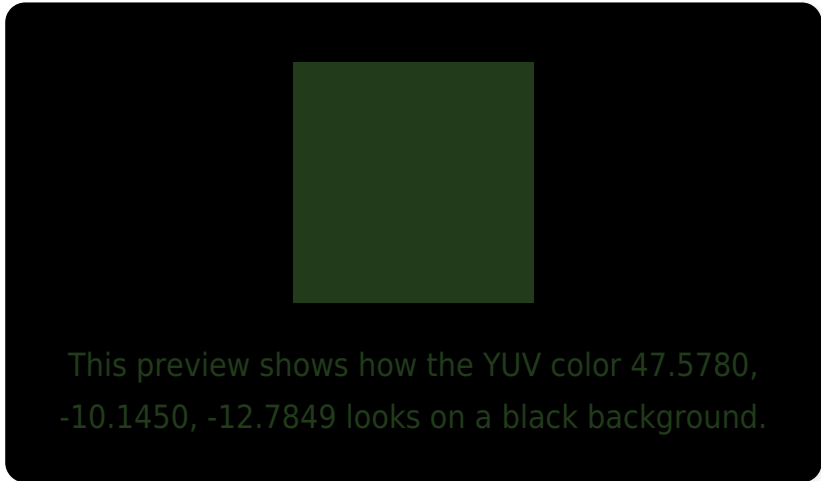
Large Text (above 18pt) WCAG AA ✓ Pass

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

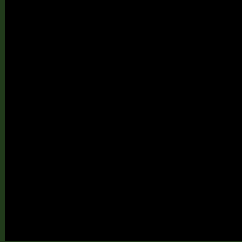
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 47.5780, -10.1450, -12.7849

Background



This preview shows how black text looks on a background with the YUV color 47.5780, -10.1450, -12.7849.



This preview shows how white text looks on a background with the YUV color 47.5780, -10.1450,

-12.7849.

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

47.5780, -10.1450, -12.7849

Protanopia

51.3030, -12.9674, 5.8733

Deuteranopia

51.7920, -11.2365, 10.7064



Tritanopia

50.7860, 4.5425, -10.3363

Trichromacy



Original Color

47.5780, -10.1450, -12.7849

Protanomaly

49.9000, -11.7827, -0.7893

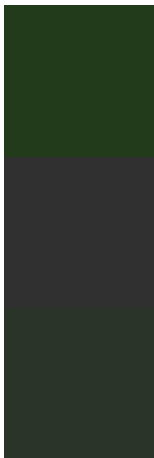
Deuteranomaly

50.1500, -10.9200, 2.4995

Tritanomaly

49.4070, -0.6937, -10.8809

Monochromacy



Original Color

47.5780, -10.1450, -12.7849

Achromatopsia

48.0000, 0.0000, 0.0000

Achromatomaly

47.9410, -3.9149, -4.3333

CSS Examples

Text

The CSS property to change the color of the text to YUV 47.5780, -10.1450, -12.7849 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(33, 59, 27)` looks like.

```
.text, #text, p{  
    color:rgb(33, 59, 27)  
}
```

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(33, 59, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 59, 27) }
```

Border

The CSS property to change the border of an element to YUV 47.5780, -10.1450, -12.7849 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(33, 59, 27) }
```


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

```
.border{ border-color:rgb(33, 59, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 59, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 59, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 59, 27);  
box-shadow:4px 4px 4px 4px rgb(33, 59, 27)  
}
```

Background

The CSS property to change the background color of an element to YUV 47.5780, -10.1450, -12.7849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 59, 27) }
```

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

```
.background{ background-color: rgb(33, 59,  
27) }
```

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