

Converting Colors

YUV(46.4980, -12.0775, 0.4403)

Have a look what the booklet for
YUV(46.4980, -12.0775, 0.4403)
contains.

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Color

**YUV(46.4980, -12.0775,
0.4403)**

Conversions

Conversions Part 1

Format	Color
Hex	2F3316
RGB	47, 51, 22
RGB Percent	18%, 20%, 9%
CMY	0.8157, 0.8000, 0.9137
CMYK	0.08, 0.00, 0.57, 0.80
HSL	68°, 40%, 14%
HSV	68°, 57%, 20%
XYZ	2.5009, 3.0299, 1.2121
YIQ	46.4980, 6.9250, -9.8670

Conversions

Conversions Part 2

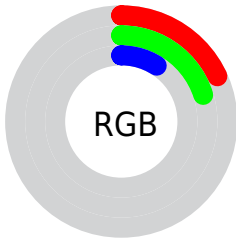
Format	Color
RYB	22, 51, 26
Decimal	3093270
CIELab	20.16, -7.16, 17.69
CIELCh	20, 19.088, 112.032
Yxy	3.0299, 0.3709, 0.4493
Android (android.graphics.Color)	4281283350 (0xFF2F3316)
YUV	46.4980, -12.0775, 0.4403
Hunter-Lab	17.4067, -4.8153, 8.0561

Details

The YUV color $46.4980, -12.0775, 0.4403$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $26.5020, 12.0775, -0.4403$, and the grayscale version is $47.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $92.4550, -13.5353, 1.3550$, and $0.5870, -0.2894, -0.5148$ is the 20% darker color. If you saturate the color by 10%, you get $45.6290, -14.1141, 0.3254$, and if you desaturate by 10%, it is $47.3670, -10.0409, 0.5551$.

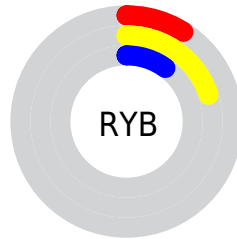
Distribution



Red (18%)

Green (20%)

Blue (9%)



Red (9%)

Yellow (20%)

Blue (10%)

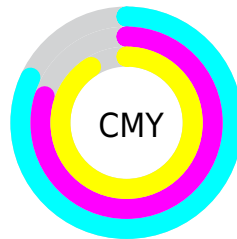


Cyan (8%)

Magenta (0%)

Yellow (57%)

Black (80%)



Cyan (82%)

Magenta (80%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.4980, -12.0775, 0.4403 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 46.4980, -12.0775, 0.4403 by changing the saturation by 10% instead.

■ 46.4980, -12.0775,
0.4403

■ 46.4980, -12.0775,
0.4403

■ 254.3160, -2.6208,
0.5999

■ 25.9820, -12.8091,
1.7698

■ 92.4550, -13.5353,
1.3550

■ 0.5870, -0.2894,
-0.5148

■ 117.3410,
-13.9721, 1.4549

■ 0.0000, 0.0000,
0.0000


■ 143.2270,
-14.4089, 1.5549


■ 169.1130,
-14.8457, 1.6549


■ 196.9990,
-15.2825, 1.7549


■ 224.8850,


-15.7193, 1.8549


 251.1240,
-14.8511, 3.3993


 46.4980, -12.0775,
0.4403


 46.4980, -12.0775,
0.4403


 45.6290, -14.1141,
0.3254


 47.3670, -10.0409,
0.5551


 45.0590, -16.2981,
0.8253


 47.9370, -7.8569,
0.0553


 44.1900, -18.3347,
0.7104

 48.8060, -5.8204,
0.1701

 43.3210, -20.3713,
0.5955

 49.6750, -3.7838,
0.2850

 43.0930, -21.2448,
0.7954

 50.6580, -1.3104,
0.2999

■ 51.2280, 0.8736,
-0.2000

■ 52.0970, 2.9102,
-0.0851

■ 52.9660, 4.9468,
0.0298

■ 53.5360, 7.1308,
-0.4701

Harmonies

Analogous

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



48.2220, -13.4204, 11.2063



46.4980, -12.0775, 0.4403



44.5010, -6.6560, -11.8404

Triad

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



46.4980, -12.0775, 0.4403



39.6780, 14.9487, -34.7976



50.1750, 1.3927, 20.0175

Complementary

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



46.4980, -12.0775, 0.4403



26.5020, 12.0775, -0.4403

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.



50.1290, 7.8244, 10.4109



46.4980, -12.0775, 0.4403



43.6840, 15.9318, -23.4019

Square

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



46.4980, -12.0775, 0.4403



39.5980, 9.5652, -34.7274



48.7080, 12.9620, -4.1289



49.1770, -5.0173, 22.6468

Rectangle

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



46.4980, -12.0775, 0.4403



41.9280, -0.9505, -21.8619



48.7080, 12.9620, -4.1289



49.8480, 4.0189, 17.6733

Sweetspot

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



46.4980, -12.0775, 0.4403



64.4470, -4.6574, 0.4850



33.0190, -5.4324, 15.7693



32.0170, -2.4734, -0.0149



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.



46.4980, -12.0775, 0.4403



59.0760, -18.7715, 0.8103



42.3120, -10.0138, -8.1666



25.3590, -1.1630, -0.3148



75.2660, -37.1061, 1.5207



183.2920, -90.3630, 3.2519

Inverse Universe

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



26.5020, 12.0775, -0.4403



27.9240, 18.7715, -0.8103



30.6880, 10.0138, 8.1666



23.3420, 1.3104, -0.2999



13.7340, 37.1061, -1.5207



33.7080, 90.3630, -3.2519

Previews

White Background



This preview shows how the YUV color 46.4980, -12.0775, 0.4403 looks on a white background.

Color Contrast Check

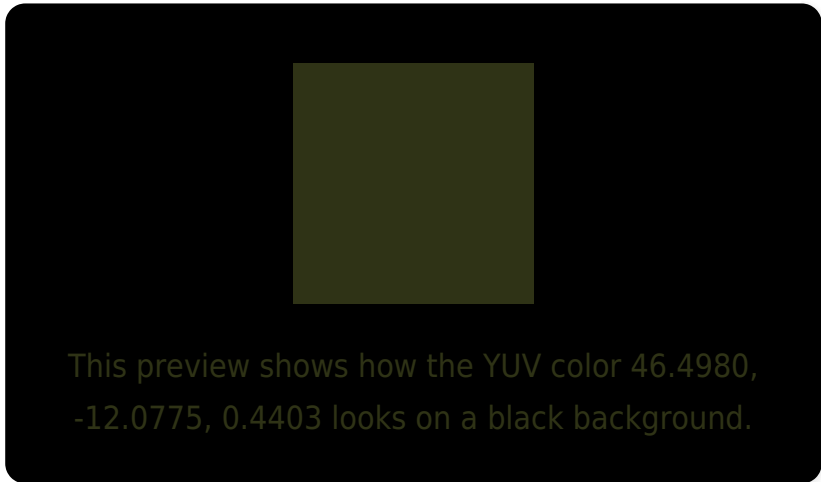
Large Text (above 18pt) WCAG AA ✓ Pass

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

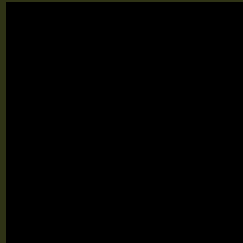
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

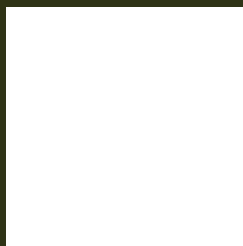
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 46.4980, -12.0775, 0.4403

Background



This preview shows how black text looks on a background with the YUV color 46.4980, -12.0775, 0.4403.



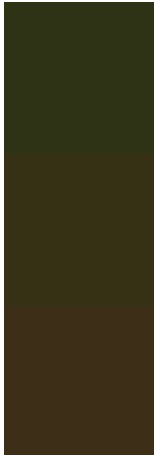
This preview shows how white text looks on a background with the YUV color 46.4980, -12.0775,

0.4403.

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

46.4980, -12.0775, 0.4403

Protanopia

47.3030, -12.9674, 5.8733

Deuteranopia

47.5640, -12.1101, 10.9064



Tritanopia

49.0540, 1.4524, 0.8296

Trichromacy



Original Color

46.4980, -12.0775, 0.4403

Protanomaly

46.9930, -12.8145, 3.5141

Deuteranomaly

47.2430, -11.9518, 6.8029

Tritanomaly

48.0880, -3.4944, 0.7998

Monochromacy



Original Color

46.4980, -12.0775, 0.4403

Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

46.1480, -4.5100, -0.1298

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.4980, -12.0775, 0.4403 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(47, 51, 22)` looks like.

```
.text, #text, p{  
    color:rgb(47, 51, 22)  
}
```

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(47, 51, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 51, 22) }
```

Border

The CSS property to change the border of an element to YUV 46.4980, -12.0775, 0.4403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

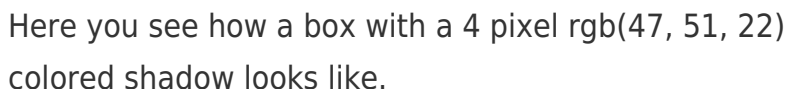
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 51, 22) }
```


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

```
.border{ border-color:rgb(47, 51, 22) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 51, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 51, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 51, 22);  
box-shadow:4px 4px 4px 4px rgb(47, 51, 22)  
}
```

Background

The CSS property to change the background color of an element to YUV 46.4980, -12.0775, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 51, 22) }
```

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

```
.background{ background-color: rgb(47, 51,  
22) }
```

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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