

Converting Colors

YUV(46.4730, -0.7262, -0.4148)

Have a look what the booklet for
YUV(46.4730, -0.7262, -0.4148)
contains.

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Color

**YUV(46.4730, -0.7262,
-0.4148)**

Conversions

Conversions Part 1

Format	Color
Hex	2E2F2D
RGB	46, 47, 45
RGB Percent	18%, 18%, 18%
CMY	0.8196, 0.8157, 0.8235
CMYK	0.02, 0.00, 0.04, 0.82
HSL	90°, 2%, 18%
HSV	90°, 4%, 18%
XYZ	2.6169, 2.8033, 2.8858
YIQ	46.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

Format	Color
R_{YB}	45, 47, 46
Decimal	3026733
CIE Lab	19.24, -0.91, 1.13
CIE LCh	19, 1.448, 128.947
Yxy	2.8033, 0.3151, 0.3375
Android (android.graphics.Color)	4281216813 (0xFF2E2F2D)
YUV	46.4730, -0.7262, -0.4148
Hunter-Lab	16.7432, -1.4018, 1.5012

Details

The YUV color **46.4730, -0.7262, -0.4148** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45.5270, 0.7262, 0.4148**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.4730, -0.7262, -0.4148**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **45.3050, -2.6154, -1.1445**, and if you desaturate by 10%, it is **47.6410, 1.1630, 0.3148**.

Distribution



Red (18%)

Green (18%)

Blue (18%)



Red (18%)

Yellow (18%)

Blue (18%)



Cyan (2%)

Magenta (0%)

Yellow (4%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.4730, -0.7262, -0.4148 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 46.4730, -0.7262, -0.4148 by changing the saturation by 10% instead.

■ 46.4730, -0.7262,
-0.4148

■ 46.4730, -0.7262,
-0.4148

255.0000, 0.0000,
0.0000

■ 25.4730, -0.7262,
-0.4148

■ 92.4730, -0.7262,
-0.4148

■ 0.0000, 0.0000,
0.0000

■ 116.4730, -0.7262,
-0.4148

■ 142.4730, -0.7262,
-0.4148

■ 168.4730, -0.7262,
-0.4148

■ 196.0600, -1.0156,
-0.9296

■ 224.0600, -1.0156,

-0.9296

252.4730, -0.7262,
-0.4148

46.4730, -0.7262,
-0.4148

46.4730, -0.7262,
-0.4148

45.3050, -2.6154,
-1.1445

47.6410, 1.1630,
0.3148

43.9520, -3.9203,
-2.5889

48.9940, 2.4680,
1.7593

42.7840, -5.8095,
-3.3186

50.1620, 4.3571,
2.4889

41.6160, -7.6987,
-4.0482

51.3300, 6.2463,
3.2186

40.2630, -9.0037,
-5.4927

52.7970, 7.9881,
4.5630

■ 39.0950, -10.8928,
-6.2223

■ 53.8510, 9.4405,
5.3927

■ 37.9270, -12.7820,
-6.9520

■ 55.0190, 11.3296,
6.1223

■ 36.4600, -14.5238,
-8.2964

■ 56.4860, 13.0714,
7.4668

■ 35.4060, -15.9762,
-9.1261

■ 57.5400, 14.5238,
8.2964

Harmonies

Analogous

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



46.7720, -0.8736, 0.2000



46.4730, -0.7262, -0.4148



46.2880, -0.1420, -1.1296

Triad

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



46.4730, -0.7262, -0.4148



46.6300, 1.1684, -1.4295



46.8970, -0.4422, 1.8443

Complementary

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



46.4730, -0.7262, -0.4148



45.5270, 0.7262, 0.4148

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.



46.7120, 0.1420, 1.1296



46.4730, -0.7262, -0.4148



46.9290, 1.0210, -0.8147

Square

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



46.4730, -0.7262, -0.4148



46.2170, 0.8790, -1.9443



46.5270, 0.7262, 0.4148



46.7830, -0.8790, 1.9443

Rectangle

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



46.4730, -0.7262, -0.4148



46.1030, 0.4422, -1.8443



46.5270, 0.7262, 0.4148



47.0110, -0.0054, 1.7444

Sweetspot

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



46.4730, -0.7262, -0.4148



61.0000, 0.0000, 0.0000



46.1850, -0.5842, 0.7148



30.5870, -0.2894, -0.5148



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000

Same Dimension

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



46.4730, -0.7262, -0.4148



60.3590, -1.1630, -0.3148



46.1740, -0.5788, -1.0296



22.5870, -0.2894, -0.5148



63.9260, -31.5155, -18.3521



157.6110, -77.7022, -44.3858

Inverse Universe

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



45.5270, 0.7262, 0.4148



58.9400, 1.0156, 0.9296



45.8260, 0.5788, 1.0296



22.1140, 0.4368, -0.1000



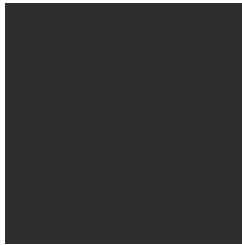
22.7750, 31.6629, 17.7373



56.3890, 77.7022, 44.3858

Previews

White Background



This preview shows how the YUV color 46.4730, -0.7262, -0.4148 looks on a white background.

Color Contrast Check

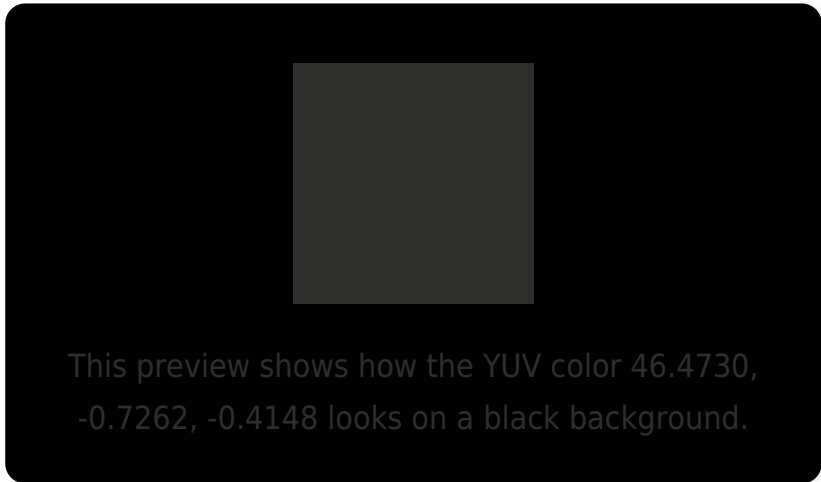
Large Text (above 18pt) WCAG AA ✓ Pass

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

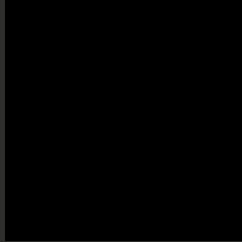
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.4730, -0.7262, -0.4148

Background



This preview shows how black text looks on a background with the YUV color 46.4730, -0.7262, -0.4148.



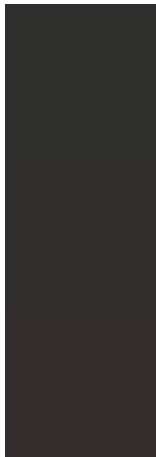
This preview shows how white text looks on a background with the YUV color 46.4730, -0.7262, -0.4148.

-0.4148.

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

46.4730, -0.7262, -0.4148

Protanopia

46.4840, -0.7316, 1.3295

Deuteranopia

47.0930, -1.0318, 4.3034



Tritanopia

46.7550, 1.5998, 0.2149

Trichromacy



Original Color

46.4730, -0.7262, -0.4148

Protanomaly

46.1850, -0.5842, 0.7148

Deuteranomaly

47.0820, -1.0264, 2.5591

Tritanomaly

46.5270, 0.7262, 0.4148

Monochromacy



Original Color

46.4730, -0.7262, -0.4148

Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

46.0000, 0.0000, 0.0000

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.4730, -0.7262, -0.4148 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(46, 47, 45)` looks like.

```
.text, #text, p{  
    color:rgb(46, 47, 45)  
}
```

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(46, 47, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 47, 45) }
```

Border

The CSS property to change the border of an element to YUV 46.4730, -0.7262, -0.4148 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(46, 47, 45) }
```


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

```
.border{ border-color:rgb(46, 47, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 47, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 47, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 47, 45);  
box-shadow:4px 4px 4px 4px rgb(46, 47, 45)  
}
```

Background

The CSS property to change the background color of an element to YUV 46.4730, -0.7262, -0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 47, 45) }
```

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

```
.background{ background-color: rgb(46, 47,  
45) }
```

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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