

Converting Colors

YUV(46.5330, 18.4712, 2.1636)

Have a look what the booklet for
YUV(46.5330, 18.4712, 2.1636)
contains.

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Color

**YUV(46.5330, 18.4712,
2.1636)**

Conversions

Conversions Part 1

Format	Color
Hex	312654
RGB	49, 38, 84
RGB Percent	19%, 15%, 33%
CMY	0.8078, 0.8510, 0.6706
CMYK	0.42, 0.55, 0.00, 0.67
HSL	254°, 38%, 24%
HSV	254°, 55%, 33%
XYZ	3.5600, 2.6793, 8.7170
YIQ	46.5330, -8.2100, 16.6380

Conversions

Conversions Part 2

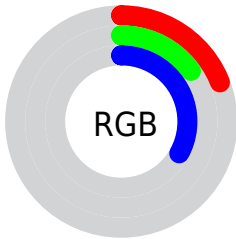
Format	Color
R_{YB}	49, 38, 84
Decimal	3221076
CIE Lab	18.71, 17.68, -26.35
CIE LCh	19, 31.731, 303.851
Yxy	2.6793, 0.2380, 0.1791
Android (android.graphics.Color)	4281411156 (0xFF312654)
YUV	46.5330, 18.4712, 2.1636
Hunter-Lab	16.3685, 10.1768, -20.1168

Details

The YUV color **46.5330, 18.4712, 2.1636** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **75.4670, -18.4712, -2.1636**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.2990, 20.0656, 4.1228**, and **4.7450, 16.8877, -3.2844** is the 20% darker color. If you saturate the color by 10%, you get **40.0430, 21.6708, 2.5933**, and if you desaturate by 10%, it is **53.0230, 15.2717, 1.7338**.

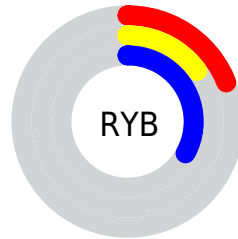
Distribution



Red (19%)

Green (15%)

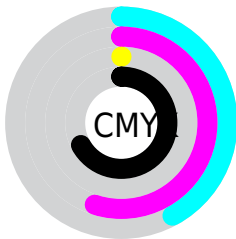
Blue (33%)



Red (19%)

Yellow (15%)

Blue (33%)

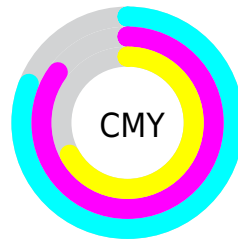


Cyan (42%)

Magenta (55%)

Yellow (0%)

Black (67%)



Cyan (81%)

Magenta (85%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.5330, 18.4712, 2.1636 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 46.5330, 18.4712, 2.1636 by changing the saturation by 10% instead.

■ 46.5330, 18.4712,
2.1636

■ 46.5330, 18.4712,
2.1636

■ 255.0000, 0.0000,
0.0000

■ 25.2940, 17.6031,
0.6192

■ 93.2990, 20.0656,
4.1228

■ 4.7450, 16.8877,
-3.2844

■ 117.8260, 20.7918,
4.5376

■ 2.4110, 6.6994,
-2.1144

■ 143.9400, 21.2286,
4.4376

■ 0.0000, 0.0000,
0.0000

■ 170.4670, 21.9548,
4.8524

■ 197.9940, 22.6810,
5.2673

■ 224.0560, 15.2554,

6.9669

247.3690, 3.7621,
6.6924

46.5330, 18.4712,
2.1636

46.5330, 18.4712,
2.1636

40.0430, 21.6708,
2.5933

53.0230, 15.2717,
1.7338

32.6670, 25.3072,
2.9230

60.3990, 11.6353,
1.4041

26.1770, 28.5067,
3.3528

66.8890, 8.4357,
0.9743

18.8010, 32.1431,
3.6825

74.2650, 4.7994,
0.6446

15.5560, 33.7429,
3.8974

80.7550, 1.5998,
0.2149

■ 87.2450, -1.5998,
-0.2149

■ 94.6210, -5.2362,
-0.5446

■ 101.1110, -8.4357,
-0.9743

■ 108.4870,
-12.0721, -1.3041

Harmonies

Analogous

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



38.0770, 26.5840, -33.3935



46.5330, 18.4712, 2.1636



45.7980, 9.9596, 25.6102

Triad

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



46.5330, 18.4712, 2.1636



43.2470, -21.3208, 25.2164



38.3440, 4.7604, -33.6277

Complementary

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



46.5330, 18.4712, 2.1636



75.4670, -18.4712, -2.1636

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.



35.0210, -5.4334, -30.7134



46.5330, 18.4712, 2.1636



42.8600, -21.1300, 10.6468

Square

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



46.5330, 18.4712, 2.1636



42.7720, -10.7336, 36.1570



39.2060, -19.3286, -7.1967



40.9660, 14.8068, -35.9272

Rectangle

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



46.5330, 18.4712, 2.1636



43.8440, 3.5279, 35.2168



39.2060, -19.3286, -7.1967



37.4320, 1.2660, -32.8279

Sweetspot

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



46.5330, 18.4712, 2.1636



95.2480, 7.2727, 0.6595



63.7890, 9.9640, -22.6170



47.1510, 4.3626, 0.7446



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000

Same Dimension

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



46.5330, 18.4712, 2.1636



50.7040, 29.2329, 3.7676



53.4100, 15.0809, 16.3034



37.7550, 1.5998, 0.2149



19.4450, 42.1786, 4.8717



42.8930, 93.2298, 10.6178

Inverse Universe

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



55.7440, 8.5072, 24.7805



65.0970, 13.2632, 39.3799



68.5900, -15.0809, -16.3034



38.5380, 0.7208, 2.1592



40.5150, 19.4661, 56.5533



89.5460, 43.1148, 124.9322

Previews

White Background



This preview shows how the YUV color 46.5330, 18.4712, 2.1636 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



This preview shows how the YUV color 46.5330, 18.4712, 2.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

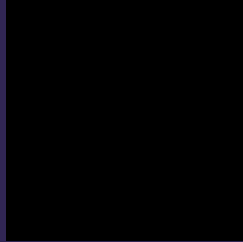
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.5330, 18.4712, 2.1636

Background



This preview shows how black text looks on a background with the YUV color 46.5330, 18.4712, 2.1636.



This preview shows how white text looks on a background with the YUV color 46.5330, 18.4712,

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

46.5330, 18.4712, 2.1636

Protanopia

40.9860, 24.6569, -21.9127

Deuteranopia

39.6280, 20.8894, -26.8608



Tritanopia

45.5480, 2.1948, -3.9886

Trichromacy



Original Color

46.5330, 18.4712, 2.1636

Protanomaly

43.0580, 22.1564, -13.2059

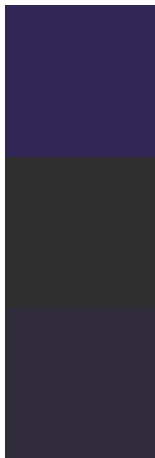
Deuteranomaly

42.4660, 19.9833, -16.1947

Tritanomaly

46.0520, 7.8624, -1.7996

Monochromacy



Original Color

46.5330, 18.4712, 2.1636

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.0200, 6.3991, 0.8595

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.5330, 18.4712, 2.1636 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(49, 38, 84)` looks like.

```
.text, #text, p{  
    color:rgb(49, 38, 84)  
}
```

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(49, 38, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 38, 84) }
```

Border

The CSS property to change the border of an element to YUV 46.5330, 18.4712, 2.1636 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(49, 38, 84) }
```


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

```
.border{ border-color:rgb(49, 38, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 38, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 38, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 38, 84);  
box-shadow:4px 4px 4px 4px rgb(49, 38, 84)  
}
```

Background

The CSS property to change the background color of an element to YUV 46.5330, 18.4712, 2.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 38, 84) }
```

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

```
.background{ background-color: rgb(49, 38,  
84) }
```

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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