

Converting Colors

YUV(49.7080, 12.9620, -4.1289)

Have a look what the booklet for
YUV(49.7080, 12.9620, -4.1289)
contains.

YUV(49.7080, 12.9620, -4.1289)	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(49.7080, 12.9620,
-4.1289)**

Conversions

Conversions Part 1

Format	Color
Hex	2D2F4C
RGB	45, 47, 76
RGB Percent	18%, 18%, 30%
CMY	0.8235, 0.8157, 0.7020
CMYK	0.41, 0.38, 0.00, 0.70
HSL	236°, 26%, 24%
HSV	236°, 41%, 30%
XYZ	3.4032, 3.1127, 7.2589
YIQ	49.7080, -10.5010, 8.5950

Conversions

Conversions Part 2

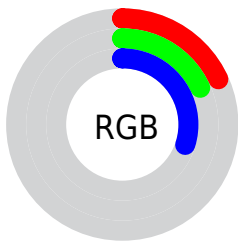
Format	Color
R_{YB}	45, 47, 76
Decimal	2961228
CIE Lab	20.49, 7.51, -18.18
CIE LCh	20, 19.675, 292.455
Yxy	3.1127, 0.2471, 0.2260
Android (android.graphics.Color)	4281151308 (0xFF2D2F4C)
YUV	49.7080, 12.9620, -4.1289
Hunter-Lab	17.6429, 3.5565, -12.0440

Details

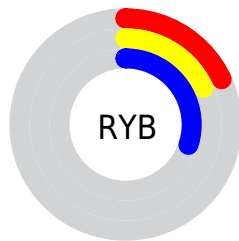
The YUV color **49.7080, 12.9620, -4.1289** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **71.2920, -12.9620, 4.1289**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.3490, 14.1249, -3.8141**, and **3.6480, 13.9775, -3.1993** is the 20% darker color. If you saturate the color by 10%, you get **43.2070, 16.1669, -5.4435**, and if you desaturate by 10%, it is **56.2090, 9.7570, -2.8143**.

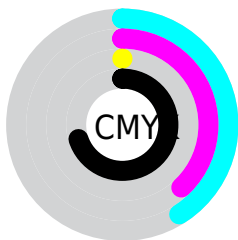
Distribution



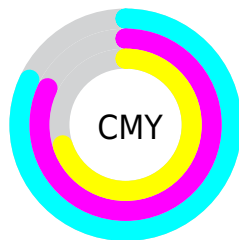
- Red (18%)
- Green (18%)
- Blue (30%)



- Red (18%)
- Yellow (18%)
- Blue (30%)



- Cyan (41%)
- Magenta (38%)
- Yellow (0%)
- Black (70%)



- Cyan (82%)
- Magenta (82%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YUV color 49.7080, 12.9620, -4.1289 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 49.7080, 12.9620, -4.1289 by changing the saturation by 10% instead.

■ 49.7080, 12.9620,
-4.1289

■ 49.7080, 12.9620,
-4.1289

■ 255.0000, 0.0000,
0.0000

■ 28.1810, 12.2358,
-4.5437

■ 96.3490, 14.1249,
-3.8141

■ 3.6480, 13.9775,
-3.1993

■ 120.8760, 14.8511,
-3.3993

■ 0.4560, 1.7472,
-0.3999

■ 146.9900, 15.2879,
-3.4992

■ 0.0000, 0.0000,
0.0000

■ 173.4030, 15.5773,
-2.9844

■ 201.2180, 16.1615,
-3.6992

■ 228.4200, 13.1039,

-2.9993

253.5270, 0.7262,
0.4148

■ 49.7080, 12.9620,
-4.1289

■ 49.7080, 12.9620,
-4.1289

■ 43.2070, 16.1669,
-5.4435

■ 56.2090, 9.7570,
-2.8143

■ 37.0050, 19.2245,
-6.1434

■ 62.4110, 6.6994,
-2.1144

■ 30.5040, 22.4295,
-7.4580

■ 68.9120, 3.4944,
-0.7998

■ 24.3020, 25.4871,
-8.1579

■ 75.1140, 0.4368,
-0.1000

■ 17.2140, 28.9815,
-8.9577

■ 82.2020, -3.0576,
0.6998

■ 11.5990, 31.7497,
-10.1723

■ 88.7030, -6.2626,
2.0145

■ 94.9050, -9.3202,
2.7143

■ 101.4060,
-12.5252, 4.0289

■ 107.6080,
-15.5827, 4.7288

Harmonies

Analogous

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



44.2000, 16.6634, -24.7314



49.7080, 12.9620, -4.1289



51.4280, 7.6770, 11.0256

Triad

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



49.7080, 12.9620, -4.1289



49.2600, -10.9742, 19.9430



40.3830, 2.2762, -30.1539

Complementary

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



49.7080, 12.9620, -4.1289



71.2920, -12.9620, 4.1289

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.



44.7890, -6.7980, -12.9700



49.7080, 12.9620, -4.1289



48.1080, -13.8572, 11.3063

Square

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



49.7080, 12.9620, -4.1289



49.7750, -5.3121, 23.8763



47.0850, -12.3669, -0.0745



40.2990, 9.7126, -35.3422

Rectangle

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



49.7080, 12.9620, -4.1289



51.0330, 3.4347, 18.3881



47.0850, -12.3669, -0.0745



42.2160, -1.0925, -22.9914

Sweetspot

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



49.7080, 12.9620, -4.1289



89.2540, 4.8048, -1.0998



66.5030, 3.6960, -18.8581



44.7980, 3.0576, -0.6998



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000

Same Dimension

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



49.7080, 12.9620, -4.1289



58.2330, 20.0981, -6.3433



52.4210, 11.6244, 4.8928



35.0430, 1.4578, -0.9147



15.7370, 42.5277, -13.8013



35.0250, 96.1227, -30.7169

Inverse Universe

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



54.4970, -3.6960, 18.8581



65.6940, -5.7651, 29.2094



68.5790, -11.6244, -4.8928



35.3100, -0.1528, 2.3591



31.2960, -11.9779, 62.0074



70.4800, -27.3516, 139.8990

Previews

White Background



This preview shows how the YUV color 49.7080, 12.9620, -4.1289 looks on a white background.

Color Contrast Check

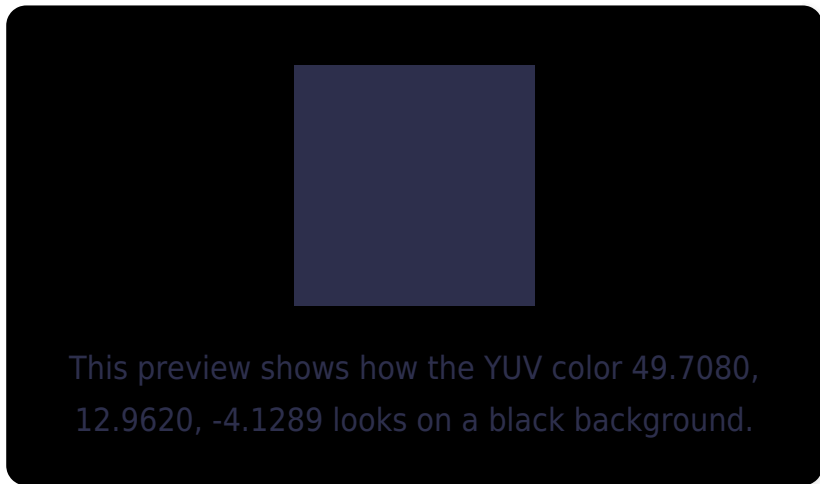
Large Text (above 18pt) WCAG AA ✓ Pass

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

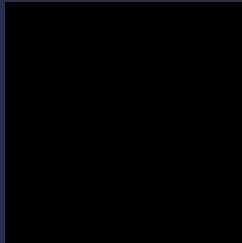
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 49.7080, 12.9620, -4.1289

Background



This preview shows how black text looks on a background with the YUV color 49.7080, 12.9620, -4.1289.



This preview shows how white text looks on a background with the YUV color 49.7080, 12.9620,

-4.1289.

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

49.7080, 12.9620, -4.1289

Protanopia

48.6150, 13.9938, -8.4324

Deuteranopia

48.4900, 13.5624, -10.0767



Tritanopia

48.1670, 3.3687, -7.1625

Trichromacy



Original Color

49.7080, 12.9620, -4.1289

Protanomaly

49.2130, 13.6990, -7.2028

Deuteranomaly

48.8000, 13.4096, -7.7176

Tritanomaly

49.0900, 6.8576, -6.2179

Monochromacy



Original Color

49.7080, 12.9620, -4.1289

Achromatopsia

50.0000, 0.0000, 0.0000

Achromatomaly

49.8410, 4.5154, -1.6146

CSS Examples

Text

The CSS property to change the color of the text to YUV 49.7080, 12.9620, -4.1289 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(45, 47, 76)` looks like.

```
.text, #text, p{  
  color:rgb(45, 47, 76)  
}
```

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(45, 47, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 47, 76) }
```

Border

The CSS property to change the border of an element to YUV 49.7080, 12.9620, -4.1289 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(45, 47, 76) }
```


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

```
.border{ border-color:rgb(45, 47, 76) }
```

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

Here you see how a box with a 4 pixel rgb(45, 47, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 47, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 47, 76);  
box-shadow:4px 4px 4px 4px rgb(45, 47, 76)  
}
```

Background

The CSS property to change the background color of an element to YUV 49.7080, 12.9620, -4.1289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 47, 76) }
```

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

```
.background{ background-color: rgb(45, 47,  
76) }
```

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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