

Converting Colors

YUV(49.7010, 0.1474, -0.6148)

Have a look what the booklet for
YUV(49.7010, 0.1474, -0.6148)
contains.

YUV(49.7010, 0.1474, -0.6148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YUV(49.7010, 0.1474,
-0.6148)**

Conversions

Conversions Part 1

Format	Color
Hex	313232
RGB	49, 50, 50
RGB Percent	19%, 20%, 20%
CMY	0.8078, 0.8039, 0.8039
CMYK	0.02, 0.00, 0.00, 0.80
HSL	180°, 1%, 19%
HSV	180°, 2%, 20%
XYZ	2.9829, 3.1645, 3.4712
YIQ	49.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	49, 50, 50
Decimal	3224114
CIE Lab	20.69, -0.44, -0.16
CIE LCh	21, 0.463, 199.767
Yxy	3.1645, 0.3101, 0.3290
Android (android.graphics.Color)	4281414194 (0xFF313232)
YUV	49.7010, 0.1474, -0.6148
Hunter-Lab	17.7889, -1.1988, 0.8829

Details

The YUV color **49.7010, 0.1474, -0.6148** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **49.2990, -0.1474, 0.6148**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.7010, 0.1474, -0.6148**, and **2.4020, 0.2948, -1.2296** is the 20% darker color. If you saturate the color by 10%, you get **48.2060, 0.8844, -3.6887**, and if you desaturate by 10%, it is **51.1960, -0.5896, 2.4591**.

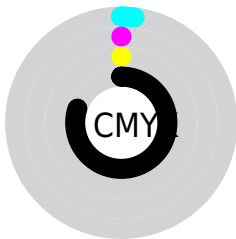
Distribution



- Red (19%)
- Green (20%)
- Blue (20%)



- Red (19%)
- Yellow (20%)
- Blue (20%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (80%)



- Cyan (81%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YUV color 49.7010, 0.1474, -0.6148 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 49.7010, 0.1474, -0.6148 by changing the saturation by 10% instead.

■ 49.7010, 0.1474,
-0.6148

■ 49.7010, 0.1474,
-0.6148

■ 255.0000, 0.0000,
0.0000

■ 28.7010, 0.1474,
-0.6148

■ 95.7010, 0.1474,
-0.6148

■ 2.4020, 0.2948,
-1.2296

■ 120.7010, 0.1474,
-0.6148

■ 0.0000, 0.0000,
0.0000

■ 146.4020, 0.2948,
-1.2296

■ 172.7010, 0.1474,
-0.6148

■ 200.4020, 0.2948,
-1.2296

■ 228.4020, 0.2948,

-1.2296

■ 49.7010, 0.1474,
-0.6148

■ 49.7010, 0.1474,
-0.6148

■ 48.2060, 0.8844,
-3.6887

■ 51.1960, -0.5896,
2.4591

■ 46.7110, 1.6215,
-6.7625

■ 52.6910, -1.3267,
5.5330

■ 45.2160, 2.3585,
-9.8364

■ 54.1860, -2.0637,
8.6069

■ 43.7210, 3.0955,
-12.9103

■ 55.6810, -2.8007,
11.6808

■ 42.2260, 3.8326,
-15.9842

■ 57.1760, -3.5378,
14.7546

■ 40.7310, 4.5696,
-19.0581

■ 58.6710, -4.2748,
17.8285

■ 39.2360, 5.3067,
-22.1320

■ 60.1660, -5.0118,
20.9024

■ 37.7410, 6.0437,
-25.2059

■ 61.6610, -5.7489,
23.9763

■ 36.2460, 6.7807,
-28.2797

■ 63.1560, -6.4859,
27.0502

Harmonies

Triad

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



49.7010, 0.1474, -0.6148



50.0000, 0.0000, 0.0000



49.8860, -0.4368, 0.1000

Complementary

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



49.7010, 0.1474, -0.6148



49.2990, -0.1474, 0.6148

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.



49.8860, -0.4368, 0.1000



49.7010, 0.1474, -0.6148



50.0000, 0.0000, 0.0000

Square

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



49.7010, 0.1474, -0.6148



50.0000, 0.0000, 0.0000



50.2990, -0.1474, 0.6148



49.8860, -0.4368, 0.1000

Rectangle

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



49.7010, 0.1474, -0.6148



49.7010, 0.1474, -0.6148



50.2990, -0.1474, 0.6148



49.8860, -0.4368, 0.1000

Sweetspot

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



49.7010, 0.1474, -0.6148



63.7010, 0.1474, -0.6148



49.5870, -0.2894, -0.5148



33.0000, 0.0000, 0.0000



161.0000, 0.0000, 0.0000

Same Dimension

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



49.7010, 0.1474, -0.6148



63.4020, 0.2948, -1.2296



25.7010, 0.1474, -0.6148



62.3890, 13.1192, -54.7152



152.1170, 31.9873, -133.4066

Inverse Universe

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



49.4130, 0.2894, 0.5148



62.8260, 0.5788, 1.0296



49.8860, -0.4368, 0.1000



25.4130, 0.2894, 0.5148



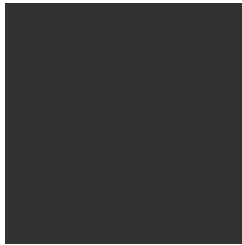
36.7570, 25.7558, 45.8171



89.6210, 62.7978, 111.7114

Previews

White Background



This preview shows how the YUV color 49.7010, 0.1474, -0.6148 looks on a white background.

Color Contrast Check

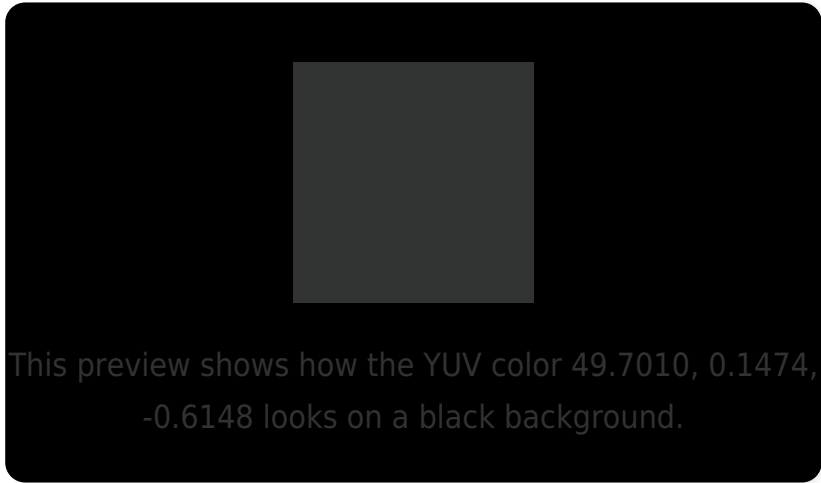
Large Text (above 18pt) WCAG AA ✓ Pass

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

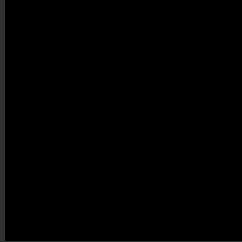
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 49.7010, 0.1474, -0.6148

Background



This preview shows how black text looks on a background with the YUV color 49.7010, 0.1474, -0.6148.



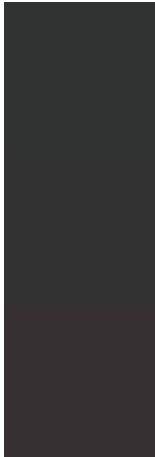
This preview shows how white text looks on a background with the YUV color 49.7010, 0.1474, -0.6148.

-0.6148.

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

49.7010, 0.1474, -0.6148

Protanopia

50.2990, -0.1474, 0.6148

Deuteranopia

50.0220, -0.0108, 3.4887



Tritanopia

49.7550, 1.5998, 0.2149

Trichromacy



Original Color

49.7010, 0.1474, -0.6148

Protanomaly

50.0000, 0.0000, 0.0000

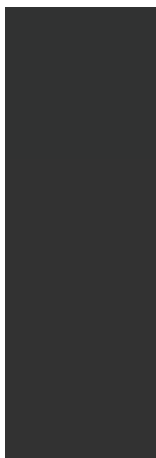
Deuteranomaly

50.0110, -0.0054, 1.7444

Tritanomaly

49.6410, 1.1630, 0.3148

Monochromacy



Original Color

49.7010, 0.1474, -0.6148

Achromatopsia

50.0000, 0.0000, 0.0000

Achromatomaly

50.0000, 0.0000, 0.0000

CSS Examples

Text

The CSS property to change the color of the text to YUV 49.7010, 0.1474, -0.6148 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, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(49, 50, 50)  
}
```

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, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 50, 50) }
```

Border

The CSS property to change the border of an element to YUV 49.7010, 0.1474, -0.6148 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, 50, 50) }
```

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

```
.border{ border-color:rgb(49, 50, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 50, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(49, 50, 50)  
}
```

Background

The CSS property to change the background color of an element to YUV 49.7010, 0.1474, -0.6148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 50, 50) }
```

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

```
.background{ background-color: rgb(49, 50,  
50) }
```

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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