

Converting Colors

YUV(46.7560, 37.0953, 1.9680)

Have a look what the booklet for
YUV(46.7560, 37.0953, 1.9680)
contains.

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Color

**YUV(46.7560, 37.0953,
1.9680)**

Conversions

Conversions Part 1

Format	Color
Hex	311F7A
RGB	49, 31, 122
RGB Percent	19%, 12%, 48%
CMY	0.8078, 0.8784, 0.5216
CMYK	0.60, 0.75, 0.00, 0.52
HSL	252°, 59%, 30%
HSV	252°, 75%, 48%
XYZ	5.2695, 3.0381, 18.7210
YIQ	46.7560, -18.4830, 32.1170

Conversions

Conversions Part 2

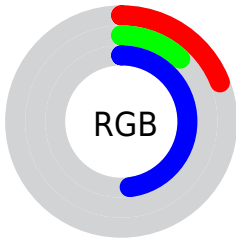
Format	Color
R_{YB}	49, 31, 122
Decimal	3219322
CIE _{Lab}	20.20, 34.64, -48.81
CIE _{LCh}	20, 59.848, 305.363
Yxy	3.0381, 0.1950, 0.1124
Android (android.graphics.Color)	4281409402 (0xFF311F7A)
YUV	46.7560, 37.0953, 1.9680
Hunter-Lab	17.4301, 23.4614, -51.4802

Details

The YUV color **46.7560, 37.0953, 1.9680** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **106.2440, -37.0953, -1.9680**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.2450, 38.8262, 6.8011**, and **8.2080, 31.4495, -7.1984** is the 20% darker color. If you saturate the color by 10%, you get **36.7220, 42.0421, 1.9978**, and if you desaturate by 10%, it is **56.7900, 32.1485, 1.9382**.

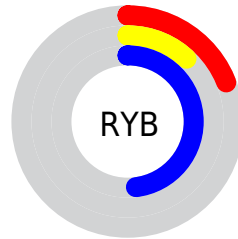
Distribution



Red (19%)

Green (12%)

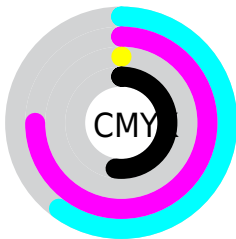
Blue (48%)



Red (19%)

Yellow (12%)

Blue (48%)

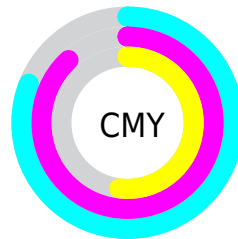


Cyan (60%)

Magenta (75%)

Yellow (0%)

Black (52%)



Cyan (81%)

Magenta (88%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.7560, 37.0953, 1.9680 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 46.7560, 37.0953, 1.9680 by changing the saturation by 10% instead.

■ 46.7560, 37.0953,
1.9680

■ 46.7560, 37.0953,
1.9680

■ 255.0000, 0.0000,
0.0000

■ 21.1250, 37.4064,
-4.4946

■ 96.2450, 38.8262,
6.8011

■ 8.2080, 31.4495,
-7.1984

■ 122.1850, 39.8418,
7.7308

■ 7.9340, 20.2455,
-6.9581

■ 148.5380, 41.1468,
9.1752

■ 3.6650, 11.5042,
-3.2142

■ 174.7940, 39.5416,
10.7047

■ 0.0000, 0.0000,
0.0000

■ 199.3140, 27.4532,
14.6336

■ 224.4210, 15.0754,

18.0478

243.8470, 5.4984,
9.7812

46.7560, 37.0953,
1.9680

46.7560, 37.0953,
1.9680

36.7220, 42.0421,
1.9978

56.7900, 32.1485,
1.9382

26.6880, 46.9888,
2.0276

66.8240, 27.2018,
1.9084

21.0840, 49.7516,
2.5573

77.1460, 22.1130,
0.7490

87.1800, 17.1663,
0.7191

97.2140, 12.2195,
0.6893

■ 107.2480, 7.2727,
0.6595

■ 117.2820, 2.3260,
0.6297

■ 127.6040, -2.7628,
-0.5297

■ 137.6380, -7.7095,
-0.5595

Harmonies

Analogous

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



46.9570, 45.3772, -41.1813



46.7560, 37.0953, 1.9680



40.9000, 22.2343, 55.3387

Triad

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



46.7560, 37.0953, 1.9680



44.2210, -21.8010, 39.2712



44.5390, 5.6503, -39.0607

Complementary

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



46.7560, 37.0953, 1.9680



106.2440, -37.0953, -1.9680

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.



37.5510, -16.0476, -32.9322



46.7560, 37.0953, 1.9680



45.4960, -22.4295, 7.4580

Square

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



46.7560, 37.0953, 1.9680



33.7870, -16.6570, 69.4698



34.6330, -17.0741, -30.3731



49.4410, 24.4326, -43.3598

Rectangle

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



46.7560, 37.0953, 1.9680



41.8940, 7.9403, 66.7450



34.6330, -17.0741, -30.3731



42.1280, -1.0491, -36.9463

Sweetspot

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



46.7560, 37.0953, 1.9680



129.0830, 14.2561, 0.8042



84.8120, 18.3337, -47.1931



61.8890, 8.4357, 0.9743



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000

Same Dimension

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



46.7560, 37.0953, 1.9680



40.5600, 57.8979, 3.0169



59.9120, 30.6094, 29.0182



55.9830, 2.4734, 0.0149



21.7250, 50.9146, 2.8722



43.6780, 102.7027, 5.5444

Inverse Universe

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



66.5310, 18.4722, 48.6463



71.4540, 28.8632, 75.9008



93.0880, -30.6094, -29.0182



57.3640, 1.2995, 3.1888



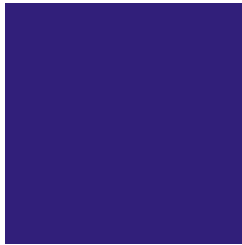
48.7750, 25.2539, 66.8493



98.4900, 51.5234, 134.6283

Previews

White Background



This preview shows how the YUV color 46.7560, 37.0953, 1.9680 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 46.7560, 37.0953, 1.9680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

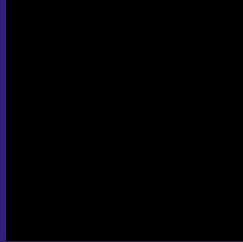
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.7560, 37.0953, 1.9680

Background



This preview shows how black text looks on a background with the YUV color 46.7560, 37.0953, 1.9680.



This preview shows how white text looks on a background with the YUV color 46.7560, 37.0953,

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

46.7560, 37.0953, 1.9680

Protanopia

39.5760, 29.7890, -34.7082

Deuteranopia

39.7410, 22.8057, -34.8529



Tritanopia

43.9910, 6.9064, -21.9171

Trichromacy



Original Color

46.7560, 37.0953, 1.9680

Protanomaly

42.3480, 32.3664, -21.3532

Deuteranomaly

42.4960, 27.8565, -21.4830

Tritanomaly

45.2060, 17.6464, -13.3357

Monochromacy



Original Color

46.7560, 37.0953, 1.9680

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.8550, 13.3825, 1.0042

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.7560, 37.0953, 1.9680 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, 31, 122)` looks like.

```
.text, #text, p{  
    color:rgb(49, 31, 122)  
}
```

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, 31, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 31, 122) }
```

Border

The CSS property to change the border of an element to YUV 46.7560, 37.0953, 1.9680 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, 31, 122) }
```


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

```
.border{ border-color:rgb(49, 31, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 31, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 31, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 31, 122);  
box-shadow:4px 4px 4px 4px rgb(49, 31,  
122) }
```

Background

The CSS property to change the background color of an element to YUV 46.7560, 37.0953, 1.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 31, 122) }
```

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

```
.background{ background-color: rgb(49, 31,  
122) }
```

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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