

Converting Colors

YUV(31.2380, 46.2247, 13.8233)

Have a look what the booklet for
YUV(31.2380, 46.2247, 13.8233)
contains.

YUV(31.2380, 46.2247, 13.8233)	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(31.2380, 46.2247,
13.8233)**

Conversions

Conversions Part 1

Format	Color
Hex	2F057D
RGB	47, 5, 125
RGB Percent	18%, 2%, 49%
CMY	0.8157, 0.9804, 0.5098
CMYK	0.62, 0.96, 0.00, 0.51
HSL	261°, 92%, 25%
HSV	261°, 96%, 49%
XYZ	4.9282, 2.1935, 19.5657
YIQ	31.2380, -13.4880, 46.2240

Conversions

Conversions Part 2

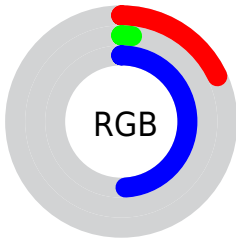
Format	Color
R_{YB}	47, 5, 125
Decimal	3081597
CIE _{Lab}	16.47, 46.48, -56.87
CIE _{LCh}	16, 73.452, 309.258
Yxy	2.1935, 0.1847, 0.0822
Android (android.graphics.Color)	4281271677 (0xFF2F057D)
YUV	31.2380, 46.2247, 13.8233
Hunter-Lab	14.8106, 33.4772, -67.9580

Details

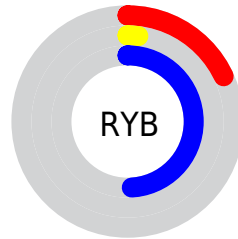
The YUV color **31.2380, 46.2247, 13.8233** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **98.7620, -46.2247, -13.8233**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **85.8470, 45.9244, 16.7972**, and **8.5500, 32.7599, -7.4984** is the 20% darker color. If you saturate the color by 10%, you get **27.4060, 48.1138, 14.5529**, and if you desaturate by 10%, it is **40.6740, 41.5727, 12.5639**.

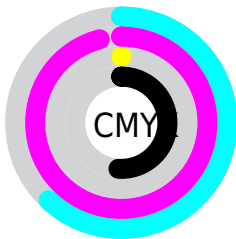
Distribution



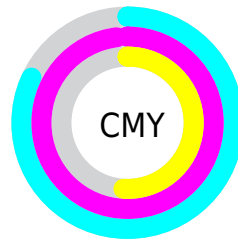
- Red (18%)
- Green (2%)
- Blue (49%)



- Red (18%)
- Yellow (2%)
- Blue (49%)



- Cyan (62%)
- Magenta (96%)
- Yellow (0%)
- Black (51%)



- Cyan (82%)
- Magenta (98%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YUV color 31.2380, 46.2247, 13.8233 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 31.2380, 46.2247, 13.8233 by changing the saturation by 10% instead.

■ 31.2380, 46.2247,
13.8233

■ 31.2380, 46.2247,
13.8233

■ 249.7170, 2.6045,
4.6332

■ 13.3790, 42.2112,
-5.5944

■ 85.8470, 45.9244,
16.7972

■ 8.5500, 32.7599,
-7.4984

■ 112.0860, 46.7926,
18.3416

■ 8.1620, 21.1191,
-7.1581

■ 138.3250, 47.6608,
19.8860

■ 4.4800, 12.0884,
-3.9290


■ 164.5380, 44.5978,
22.3302


■ 0.0000, 0.0000,
0.0000


■ 189.0580, 32.5094,
26.2591


■ 214.1650, 20.1317,


29.6733


 232.6940, 10.9969,
19.5624


 31.2380, 46.2247,
13.8233


 31.2380, 46.2247,
13.8233


 27.4060, 48.1138,
14.5529

 40.6740, 41.5727,
12.5639

 50.6970, 36.6314,
10.7897

 60.1330, 31.9794,
9.5304

 70.1560, 27.0381,
7.7562

 79.8910, 22.2387,
7.1116

■ 89.9140, 17.2974,
5.3374

■ 99.3500, 12.6455,
4.0781

■ 109.3730, 7.7041,
2.3039

■ 118.8090, 3.0522,
1.0445

Harmonies

Analogous

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



43.9880, 51.7709, -38.5775



31.2380, 46.2247, 13.8233



41.5970, 18.4397, 59.1124

Triad

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



31.2380, 46.2247, 13.8233



35.9480, -17.7224, 37.7566



40.5440, 8.1128, -35.5571

Complementary

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



31.2380, 46.2247, 13.8233



98.7620, -46.2247, -13.8233

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.



33.4590, -16.4953, -29.3435



31.2380, 46.2247, 13.8233



36.8910, -18.1873, 0.0956

Square

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



31.2380, 46.2247, 13.8233



32.5910, -16.0674, 67.0107



31.1110, -15.3377, -27.2843



46.9450, 30.1001, -41.1708

Rectangle

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



31.2380, 46.2247, 13.8233



41.6080, 1.6723, 70.5038



31.1110, -15.3377, -27.2843



38.3780, -0.1864, -33.6575

Sweetspot

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



31.2380, 46.2247, 13.8233



126.1420, 18.1710, 5.1375



64.4660, 29.8433, -52.1517



59.2960, 11.1931, 3.2484



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000

Same Dimension

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



31.2380, 46.2247, 13.8233



35.6250, 62.7959, 18.7459



49.1780, 37.3802, 50.7099



58.6950, 2.6154, 1.1445



28.0470, 49.2768, 14.8678



0.0000, 0.0000, 0.0000

Inverse Universe

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



49.7720, 16.3814, 65.9750



60.8210, 22.2732, 89.6110



80.8220, -37.3802, -50.7099



59.6630, 1.1521, 3.8035



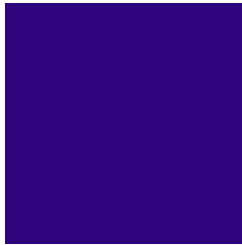
47.7340, 17.3861, 70.3933



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 31.2380, 46.2247, 13.8233 looks on a white background.

Color Contrast Check

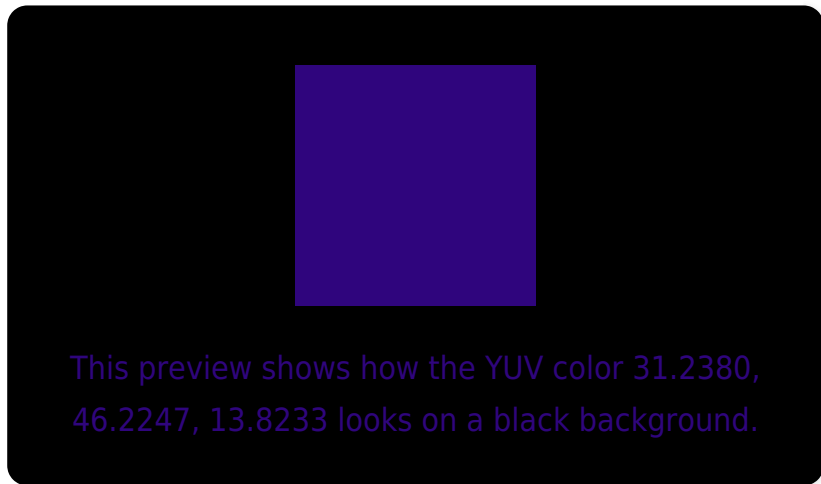
Large Text (above 18pt) WCAG AA ✓ Pass

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

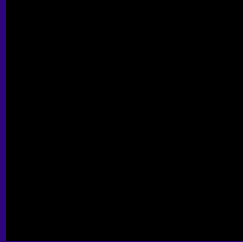
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 31.2380, 46.2247, 13.8233

Background



This preview shows how black text looks on a background with the YUV color 31.2380, 46.2247, 13.8233.



This preview shows how white text looks on a background with the YUV color 31.2380, 46.2247,

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

31.2380, 46.2247, 13.8233

Protanopia

34.6860, 26.2838, -30.4196

Deuteranopia

34.9650, 19.7373, -30.6643



Tritanopia

34.1040, 8.8227, -29.9092

Trichromacy



Original Color

31.2380, 46.2247, 13.8233

Protanomaly

33.6200, 33.2183, -14.5757

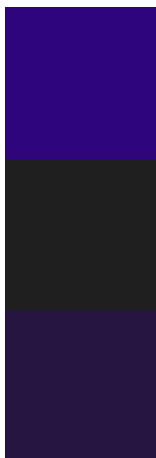
Deuteranomaly

33.2950, 29.4346, -14.2907

Tritanomaly

32.8730, 22.7406, -13.9206

Monochromacy



Original Color

31.2380, 46.2247, 13.8233

Achromatopsia

31.0000, 0.0000, 0.0000

Achromatomaly

31.3870, 16.5712, 4.9226

CSS Examples

Text

The CSS property to change the color of the text to YUV 31.2380, 46.2247, 13.8233 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(47, 5, 125)` looks like.

```
.text, #text, p{  
    color:rgb(47, 5, 125)  
}
```

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(47, 5, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 5, 125) }
```

Border

The CSS property to change the border of an element to YUV 31.2380, 46.2247, 13.8233 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(47, 5, 125) }
```


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

```
.border{ border-color:rgb(47, 5, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 5, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 5, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 5, 125);  
box-shadow:4px 4px 4px 4px rgb(47, 5, 125)  
}
```

Background

The CSS property to change the background color of an element to YUV 31.2380, 46.2247, 13.8233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 5, 125) }
```

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

```
.background{ background-color: rgb(47, 5,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor