

Converting Colors

YUV(38.8130, 40.5182,
-22.6380)

Have a look what the booklet for
YUV(38.8130, 40.5182, -22.6380)
contains.

YUV(38.8130, 40.5182, -22.6380)	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>	30

Color

**YUV(38.8130, 40.5182,
-22.6380)**

Conversions

Conversions Part 1

Format	Color
Hex	0D2479
RGB	13, 36, 121
RGB Percent	5%, 14%, 47%
CMY	0.9490, 0.8588, 0.5255
CMYK	0.89, 0.70, 0.00, 0.53
HSL	227°, 81%, 26%
HSV	227°, 89%, 47%
XYZ	4.2480, 2.7278, 18.3918
YIQ	38.8130, -40.9930, 21.5590

Conversions

Conversions Part 2

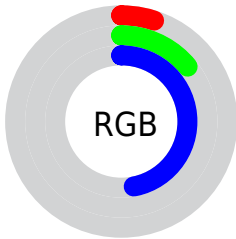
Format	Color
R _Y B	13, 32, 121
Decimal	861305
CIE Lab	18.92, 26.93, -50.35
CIE LCh	19, 57.100, 298.138
Yxy	2.7278, 0.1675, 0.1075
Android (android.graphics.Color)	4279051385 (0xFF0D2479)
YUV	38.8130, 40.5182, -22.6380
Hunter-Lab	16.5160, 17.0085, -54.4624

Details

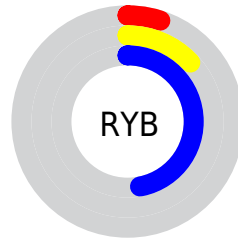
The YUV color **38.8130, 40.5182, -22.6380** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **95.1870, -40.5182, 22.6380**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **91.6020, 40.6222, -9.2980**, and **8.0940, 31.0127, -7.0984** is the 20% darker color. If you saturate the color by 10%, you get **29.3550, 45.1810, -24.8673**, and if you desaturate by 10%, it is **48.2710, 35.8554, -20.4087**.

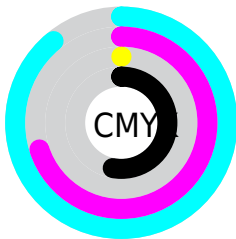
Distribution



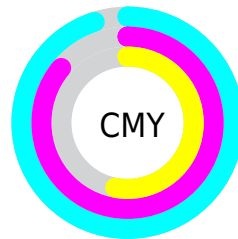
- Red (5%)
- Green (14%)
- Blue (47%)



- Red (5%)
- Yellow (13%)
- Blue (47%)



- Cyan (89%)
- Magenta (70%)
- Yellow (0%)
- Black (53%)



- Cyan (95%)
- Magenta (86%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YUV color 38.8130, 40.5182, -22.6380 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 38.8130, 40.5182, -22.6380 by changing the saturation by 10% instead.

■ 38.8130, 40.5182,
-22.6380

■ 38.8130, 40.5182,
-22.6380

■ 255.0000, 0.0000,
0.0000

■ 20.3360, 37.3024,
-17.8347

■ 91.6020, 40.6222,
-9.2980

■ 8.0940, 31.0127,
-7.0984

■ 117.2540, 41.7798,
-7.2388

■ 7.8200, 19.8087,
-6.8581

■ 143.6070, 43.0847,
-5.7943

■ 3.5510, 11.0674,
-3.1142

■ 169.9770, 41.9163,
-4.3648

■ 0.0000, 0.0000,
0.0000

■ 194.1980, 29.9754,
-1.0506

■ 219.0170, 17.7396,

3.4931

244.7110, 5.0725,
6.3925

38.8130, 40.5182,
-22.6380

38.8130, 40.5182,
-22.6380

29.3550, 45.1810,
-24.8673

48.2710, 35.8554,
-20.4087

29.0560, 45.3284,
-25.4821

57.1420, 31.4820,
-17.6645

66.6000, 26.8192,
-15.4352

75.4710, 22.4458,
-12.6911

84.9290, 17.7830,
-10.4617

■ 94.0990, 13.2622,
-7.1028

■ 103.5570, 8.5994,
-4.8735

■ 112.4280, 4.2260,
-2.1294

■ 121.8860, -0.4368,
0.1000

Harmonies

Analogous

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



46.0450, 41.8828, -40.3815



38.8130, 40.5182, -22.6380



37.2840, 26.4820, 46.2319

Triad

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



38.8130, 40.5182, -22.6380



39.2370, -19.3438, 44.5192



40.5950, 0.6927, -35.6018

Complementary

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



38.8130, 40.5182, -22.6380



95.1870, -40.5182, 22.6380

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.



34.6330, -17.0741, -30.3731



38.8130, 40.5182, -22.6380



43.7680, -21.5776, 14.2355

Square

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



38.8130, 40.5182, -22.6380



33.6880, -13.1572, 66.9256



35.8840, -17.6908, -19.1923



46.0840, 19.1856, -40.4157

Rectangle

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



38.8130, 40.5182, -22.6380



39.5880, 12.0351, 59.9973



35.8840, -17.6908, -19.1923



38.2980, -5.5699, -33.5873

Sweetspot

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



38.8130, 40.5182, -22.6380



125.7720, 15.8884, -9.4470



86.0860, 5.8736, -64.0964



59.7850, 9.4730, -5.0734



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.



38.8130, 40.5182, -22.6380



37.9700, 59.1748, -33.2997



34.5810, 42.6046, 8.2605



56.2710, 2.3314, -1.1147



30.0990, 46.7862, -26.3968



60.4260, 94.4460, -52.9936

Inverse Universe

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



47.9140, -5.8736, 64.0964



51.1180, -8.4392, 93.7355



99.4190, -42.6046, -8.2605



56.9080, -0.4476, 3.5887



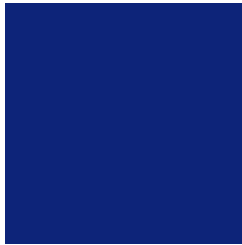
40.4530, -6.6323, 74.1477



81.5040, -13.5595, 149.5250

Previews

White Background



This preview shows how the YUV color 38.8130, 40.5182, -22.6380 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 38.8130, 40.5182, -22.6380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

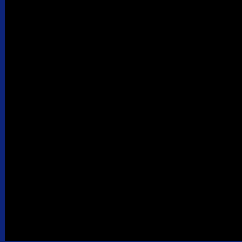
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 38.8130, 40.5182, -22.6380

Background



This preview shows how black text looks on a background with the YUV color 38.8130, 40.5182, -22.6380.



This preview shows how white text looks on a background with the YUV color 38.8130, 40.5182,

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

38.8130, 40.5182, -22.6380

Deuteranopia

37.4100, 21.4899, -32.8086

Tritanopia

36.7940, 8.9756, -32.2683

Trichromacy



Original Color

38.8130, 40.5182, -22.6380

Deuteranomaly

38.2670, 28.4624, -29.1752

Tritanomaly

37.5030, 20.4580, -28.5051

Monochromacy



Original Color

38.8130, 40.5182, -22.6380

Achromatopsia

39.0000, 0.0000, 0.0000

Achromatomaly

39.1420, 14.7200, -8.0175

CSS Examples

Text

The CSS property to change the color of the text to YUV 38.8130, 40.5182, -22.6380 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(13, 36, 121)` looks like.

```
.text, #text, p{  
    color:rgb(13, 36, 121)  
}
```

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(13, 36, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 36, 121) }
```

Border

The CSS property to change the border of an element to YUV 38.8130, 40.5182, -22.6380 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(13, 36, 121) }
```

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

```
.border{ border-color:rgb(13, 36, 121) }
```

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

Here you see how a box with a 4 pixel rgb(13, 36, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 36, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 36, 121);  
box-shadow:4px 4px 4px 4px rgb(13, 36,  
121) }
```


Background

The CSS property to change the background color of an element to YUV 38.8130, 40.5182, -22.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 36, 121) }
```

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

```
.background{ background-color: rgb(13, 36,  
121) }
```

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