

Converting Colors

YUV(37.5870, 29.7836,
-32.9638)

Have a look what the booklet for
YUV(37.5870, 29.7836, -32.9638)
contains.

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Color

**YUV(37.5870, 29.7836,
-32.9638)**

Conversions

Conversions Part 1

Format	Color
Hex	002D62
RGB	0, 45, 98
RGB Percent	0%, 18%, 38%
CMY	1.0000, 0.8235, 0.6157
CMYK	1.00, 0.54, 0.00, 0.62
HSL	212°, 100%, 19%
HSV	212°, 100%, 38%
XYZ	3.1430, 2.7586, 11.9221
YIQ	37.5870, -43.8330, 6.9430

Conversions

Conversions Part 2

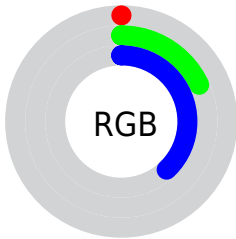
Format	Color
RYB	0, 31, 98
Decimal	11618
CIELab	19.05, 9.41, -35.25
CIElCh	19, 36.484, 284.945
Yxy	2.7586, 0.1763, 0.1548
Android (android.graphics.Color)	4278201698 (0xFF002D62)
YUV	37.5870, 29.7836, -32.9638
Hunter-Lab	16.6091, 4.7123, -30.9323

Details

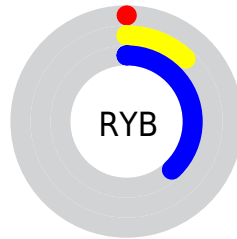
The YUV color **37.5870, 29.7836, -32.9638** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **60.4130, -29.7836, 32.9638**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **89.8490, 29.1614, -20.0386**, and **5.8140, 22.2767, -5.0989** is the 20% darker color. If you saturate the color by 10%, you get **37.5870, 29.7836, -32.9638**, and if you desaturate by 10%, it is **43.5120, 26.8626, -29.3900**.

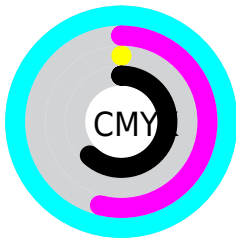
Distribution



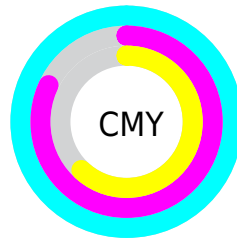
- Red (0%)
- Green (18%)
- Blue (38%)



- Red (0%)
- Yellow (12%)
- Blue (38%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (62%)



- Cyan (100%)
- Magenta (82%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the YUV color 37.5870, 29.7836, -32.9638 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 37.5870, 29.7836, -32.9638 by changing the saturation by 10% instead.

■ 37.5870, 29.7836,
-32.9638

■ 37.5870, 29.7836,
-32.9638

■ 255.0000, 0.0000,
0.0000

■ 23.1110, 25.0883,
-20.2683

■ 89.8490, 29.1614,
-20.0386

■ 5.8140, 22.2767,
-5.0989

■ 115.0880, 30.0296,
-18.4942

■ 4.4800, 12.0884,
-3.9290

■ 141.6150, 30.7558,
-18.0794

■ 0.0000, 0.0000,
0.0000

■ 168.1420, 31.4820,
-17.6645

■ 194.9850, 29.5874,
-16.6498

■ 219.7930, 17.3571,

-13.8505

■ 244.9000, 4.9793,
-10.4363

■ 37.5870, 29.7836,
-32.9638

■ 43.5120, 26.8626,
-29.3900

■ 50.0240, 23.6522,
-26.3310

■ 55.6500, 20.8786,
-23.3720

■ 61.5750, 17.9575,
-19.7983

■ 67.5000, 15.0365,
-16.2245

■ 74.0120, 11.8261,
-13.1655

■ 79.9370, 8.9051,
-9.5917

■ 85.5630, 6.1314,
-6.6328

■ 92.0750, 2.9210,
-3.5738

Harmonies

Analogous

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



42.2830, 27.4685, -37.0822



37.5870, 29.7836, -32.9638



47.1970, 18.1439, 13.8592

Triad

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



37.5870, 29.7836, -32.9638



41.9480, -17.7224, 37.7566



36.9930, -2.9545, -32.4429

Complementary

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



37.5870, 29.7836, -32.9638



60.4130, -29.7836, 32.9638

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.



35.4000, -16.9592, -20.5218



37.5870, 29.7836, -32.9638



44.1110, -21.7467, 21.8277

Square

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



37.5870, 29.7836, -32.9638



40.1890, -3.0512, 45.4382



42.5170, -20.9609, 3.0546



40.7720, 8.9864, -35.7570

Rectangle

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



37.5870, 29.7836, -32.9638



44.9990, 11.8325, 31.5729



42.5170, -20.9609, 3.0546



35.3800, -6.5963, -31.0283

Sweetspot

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



37.5870, 29.7836, -32.9638



104.0120, 11.8261, -13.1655



63.4540, -5.6468, -55.6492



49.4920, 7.1524, -7.4475



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000

Same Dimension

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



37.5870, 29.7836, -32.9638



49.2250, 38.8361, -43.1703



12.0690, 42.3640, -7.9535



45.6300, 1.1684, -1.4295



43.2920, 33.8730, -37.9671



91.9300, 72.9985, -80.6226

Inverse Universe

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



34.4320, 5.2100, 55.7491



44.9980, 6.9030, 72.7928



85.9310, -42.3640, 7.9535



45.4240, 0.2840, 2.2592



39.4160, 6.2039, 63.6562



84.3000, 12.6701, 136.5489

Previews

White Background



This preview shows how the YUV color 37.5870, 29.7836, -32.9638 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 37.5870, 29.7836, -32.9638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

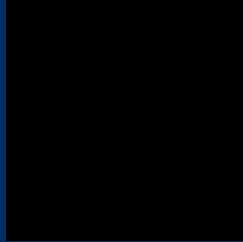
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 37.5870, 29.7836, -32.9638

Background



This preview shows how black text looks on a background with the YUV color 37.5870, 29.7836, -32.9638.



This preview shows how white text looks on a background with the YUV color 37.5870, 29.7836, -32.9638.

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



Protanopia

37.4730, 29.3468, -32.8638

Deuteranopia

37.6380, 22.3635, -33.0085

Tritanopia

36.9080, 9.4124, -32.3683

Trichromacy



Protanomaly

37.4730, 29.3468, -32.8638

Deuteranomaly

37.6210, 24.8368, -32.9936

Tritanomaly

36.8570, 16.8325, -32.3236

Monochromacy



Achromatopsia

38.0000, 0.0000, 0.0000

Achromatomaly

38.0830, 10.8051, -12.3508

CSS Examples

Text

The CSS property to change the color of the text to YUV 37.5870, 29.7836, -32.9638 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(0, 45, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 98)  
}
```

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(0, 45, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 98) }
```

Border

The CSS property to change the border of an element to YUV 37.5870, 29.7836, -32.9638 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(0, 45, 98) }
```

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

```
.border{ border-color:rgb(0, 45, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 45, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 45, 98); box-shadow:4px  
4px 4px 4px rgb(0, 45, 98) }
```


Background

The CSS property to change the background color of an element to YUV 37.5870, 29.7836, -32.9638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 98) }
```

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

```
.background{ background-color: rgb(0, 45,  
98) }
```

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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