

Converting Colors

YUV(23.7830, 12.4320,
-20.8577)

Have a look what the booklet for
YUV(23.7830, 12.4320, -20.8577)
contains.

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Color

**YUV(23.7830, 12.4320,
-20.8577)**

Conversions

Conversions Part 1

Format	Color
Hex	001F31
RGB	0, 31, 49
RGB Percent	0%, 12%, 19%
CMY	1.0000, 0.8784, 0.8078
CMYK	1.00, 0.37, 0.00, 0.81
HSL	202°, 100%, 10%
HSV	202°, 100%, 19%
XYZ	1.0444, 1.2017, 3.0826
YIQ	23.7830, -24.2540, -0.9740

Conversions

Conversions Part 2

Format	Color
RYB	0, 19, 49
Decimal	7985
CIELab	10.57, -3.37, -15.15
CIELCh	11, 15.516, 257.463
Yxy	1.2017, 0.1960, 0.2255
Android (android.graphics.Color)	4278198065 (0xFF001F31)
YUV	23.7830, 12.4320, -20.8577
Hunter-Lab	10.9623, -2.1786, -8.9989

Details

The YUV color **23.7830, 12.4320, -20.8577** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **25.2170, -12.4320, 20.8577**, and the grayscale version is **24.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **69.5060, 12.5685, -17.9838**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **23.7830, 12.4320, -20.8577**, and if you desaturate by 10%, it is **26.4520, 11.1162, -18.8134**.

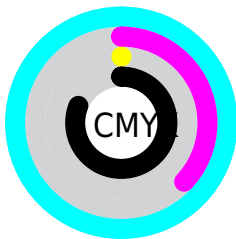
Distribution



- Red (0%)
- Green (12%)
- Blue (19%)



- Red (0%)
- Yellow (7%)
- Blue (19%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (81%)



- Cyan (100%)
- Magenta (88%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YUV color 23.7830, 12.4320, -20.8577 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 23.7830, 12.4320, -20.8577 by changing the saturation by 10% instead.

■ 23.7830, 12.4320,
-20.8577

■ 23.7830, 12.4320,
-20.8577

■ 248.4220, 3.2430,
-13.5251

■ 6.1270, 10.7834,
-5.3734

■ 69.5060, 12.5685,
-17.9838

■ 0.0000, 0.0000,
0.0000

■ 93.0330, 13.2947,
-17.5689

■ 118.1470, 13.7315,
-17.6689

■ 144.1470, 13.7315,
-17.6689

■ 170.9620, 14.3157,
-18.3837

■ 198.0760, 14.7525,

-18.4837

■ 225.9620, 14.3157,
-18.3837

■ 23.7830, 12.4320,
-20.8577

■ 26.4520, 11.1162,
-18.8134

■ 29.1210, 9.8003,
-16.7691

■ 31.2030, 8.7739,
-14.2100

■ 33.8720, 7.4581,
-12.1657

■ 36.5410, 6.1423,
-10.1215

■ 38.9110, 4.9739,
-8.6919

■ 41.5800, 3.6581,
-6.6477

■ 43.6620, 2.6316,
-4.0886

■ 46.3310, 1.3158,
-2.0443

Harmonies

Analogous

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



24.3870, 9.6692, -21.3874



23.7830, 12.4320, -20.8577



28.6000, 10.0572, -5.7882

Triad

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



23.7830, 12.4320, -20.8577



28.7140, -2.8170, 16.9138



25.5340, -6.6723, -6.6073

Complementary

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



23.7830, 12.4320, -20.8577



25.2170, -12.4320, 20.8577

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.



26.8080, -12.2303, 2.7994



23.7830, 12.4320, -20.8577



28.5090, -8.6319, 15.3396

Square

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



23.7830, 12.4320, -20.8577



29.2560, 1.8458, 14.6845



27.4500, -12.5468, 11.0064



22.9930, 0.4965, -19.2879

Rectangle

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



23.7830, 12.4320, -20.8577



29.6720, 7.5567, 2.9187



27.4500, -12.5468, 11.0064



26.2740, -9.0091, -3.7483

Sweetspot

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



23.7830, 12.4320, -20.8577



54.2100, 4.8265, -8.0772



30.8150, -6.3178, -27.0248



27.0640, 2.9264, -5.3181



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000

Same Dimension

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



23.7830, 12.4320, -20.8577



30.7760, 16.3794, -26.9906



9.6950, 19.3774, -8.5025



24.5160, 0.7316, -1.3295



43.0180, 22.6691, -37.7268



105.1570, 55.1386, -92.2227

Inverse Universe

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



18.1850, 6.3178, 27.0248



23.6960, 8.0379, 35.3466



39.3050, -19.3774, 8.5025



24.1250, 0.4314, 1.6444



32.9950, 11.3415, 49.1164



80.5010, 27.8540, 119.7096

Previews

White Background



This preview shows how the YUV color 23.7830, 12.4320, -20.8577 looks on a white background.

Color Contrast Check

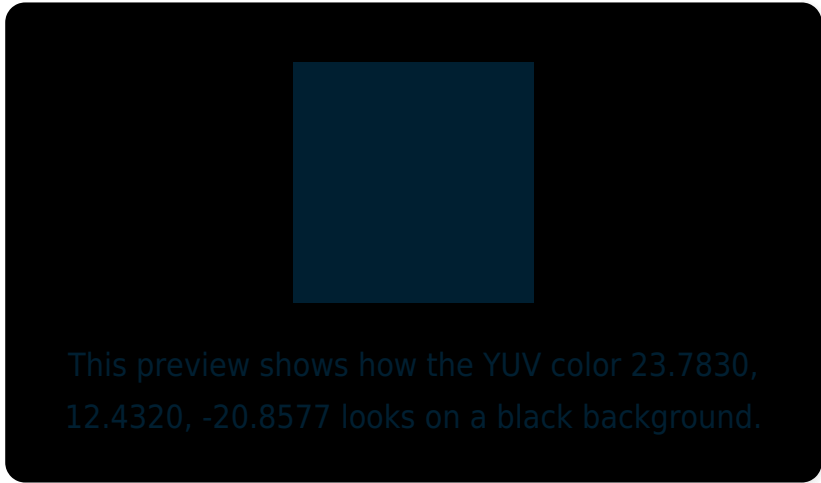
Large Text (above 18pt) WCAG AA ✓ Pass

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

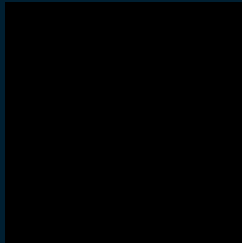
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 23.7830, 12.4320, -20.8577

Background



This preview shows how black text looks on a background with the YUV color 23.7830, 12.4320, -20.8577.



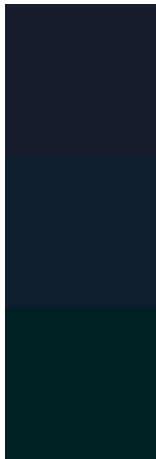
This preview shows how white text looks on a background with the YUV color 23.7830, 12.4320,

-20.8577.

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

29.2580, 8.7468, -5.4883

Deuteranopia

27.9800, 10.3629, -10.5065

Tritanopia

23.3610, 5.7380, -20.4876

Trichromacy



Protanomaly

27.5670, 10.0735, -11.0213

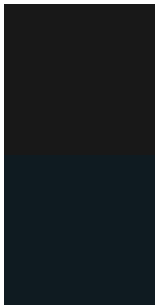
Deuteranomaly

26.1860, 11.2473, -14.1951

Tritanomaly

23.3440, 8.2114, -20.4727

Monochromacy



Achromatopsia

24.0000, 0.0000, 0.0000

Achromatomaly

24.0960, 4.3897, -7.9772

CSS Examples

Text

The CSS property to change the color of the text to YUV 23.7830, 12.4320, -20.8577 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, 31, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 31, 49)  
}
```

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, 31, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 31, 49) }
```

Border

The CSS property to change the border of an element to YUV 23.7830, 12.4320, -20.8577 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, 31, 49) }
```

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

```
.border{ border-color:rgb(0, 31, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 31, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 31, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 31, 49); box-shadow:4px  
4px 4px 4px rgb(0, 31, 49) }
```


Background

The CSS property to change the background color of an element to YUV 23.7830, 12.4320, -20.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 31, 49) }
```

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

```
.background{ background-color: rgb(0, 31,  
49) }
```

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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