

Converting Colors

YUV(22.8370, 13.8844,
-20.0280)

Have a look what the booklet for
YUV(22.8370, 13.8844, -20.0280)
contains.

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Color

**YUV(22.8370, 13.8844,
-20.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	001D33
RGB	0, 29, 51
RGB Percent	0%, 11%, 20%
CMY	1.0000, 0.8863, 0.8000
CMYK	1.00, 0.43, 0.00, 0.80
HSL	206°, 100%, 10%
HSV	206°, 100%, 20%
XYZ	1.0369, 1.1177, 3.2931
YIQ	22.8370, -24.3460, 0.6940

Conversions

Conversions Part 2

Format	Color
RYB	0, 18, 51
Decimal	7475
CIELab	9.94, -0.90, -17.60
CIELCh	10, 17.618, 267.069
Yxy	1.1177, 0.1903, 0.2052
Android (android.graphics.Color)	4278197555 (0xFF001D33)
YUV	22.8370, 13.8844, -20.0280
Hunter-Lab	10.5724, -0.9948, -11.0669

Details

The YUV color **22.8370, 13.8844, -20.0280** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **28.1630, -13.8844, 20.0280**, and the grayscale version is **23.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **68.3860, 14.5997, -16.1245**, and **0.1140, 0.4368, -0.1000** is the 20% darker color. If you saturate the color by 10%, you get **22.8370, 13.8844, -20.0280**, and if you desaturate by 10%, it is **25.5060, 12.5685, -17.9838**.

Distribution



- Red (0%)
- Green (11%)
- Blue (20%)



- Red (0%)
- Yellow (7%)
- Blue (20%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (80%)



- Cyan (100%)
- Magenta (89%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YUV color 22.8370, 13.8844, -20.0280 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 22.8370, 13.8844, -20.0280 by changing the saturation by 10% instead.

■ 22.8370, 13.8844,
-20.0280

■ 22.8370, 13.8844,
-20.0280

■ 248.7210, 3.0955,
-12.9103

■ 4.5940, 12.5252,
-4.0289

■ 68.3860, 14.5997,
-16.1245

■ 0.1140, 0.4368,
-0.1000

■ 92.5000, 15.0365,
-16.2245

■ 0.0000, 0.0000,
0.0000

■ 117.5000, 15.0365,
-16.2245

■ 143.0270, 15.7627,
-15.8097

■ 169.7280, 15.9101,
-16.4245

■ 196.9560, 16.7837,

-16.6244

■ 224.5000, 15.0365,
-16.2245

■ 22.8370, 13.8844,
-20.0280

■ 25.5060, 12.5685,
-17.9838

■ 28.1750, 11.2527,
-15.9395

■ 31.4310, 9.6475,
-14.4100

■ 34.1000, 8.3317,
-12.3657

■ 37.0680, 6.8685,
-9.7066

■ 39.7370, 5.5527,
-7.6623

■ 42.4060, 4.2368,
-5.6181

■ 45.6620, 2.6316,
-4.0886

■ 48.3310, 1.3158,
-2.0443

Harmonies

Analogous

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



24.1420, 11.2690, -21.1725



22.8370, 13.8844, -20.0280



28.0350, 10.3357, -1.7847

Triad

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



22.8370, 13.8844, -20.0280



27.0410, -5.4432, 19.2580



22.5440, -5.1982, -12.7551

Complementary

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



22.8370, 13.8844, -20.0280



28.1630, -13.8844, 20.0280

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.



25.0850, -12.3669, -0.0745



22.8370, 13.8844, -20.0280



26.4830, -12.5631, 16.2394

Square

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



22.8370, 13.8844, -20.0280



27.6370, 0.6720, 17.8584



26.3250, -12.9782, 9.3620



22.3350, 1.8068, -19.5878

Rectangle

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



22.8370, 13.8844, -20.0280



28.4060, 7.6878, 7.5369



26.3250, -12.9782, 9.3620



23.3660, -8.5614, -7.3370

Sweetspot

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



22.8370, 13.8844, -20.0280



55.3240, 5.2633, -8.1771



32.3310, -5.5862, -28.3543



26.4770, 3.2158, -4.8033



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.



22.8370, 13.8844, -20.0280



29.8300, 17.8318, -26.1609



8.1620, 21.1191, -7.1581



23.9290, 1.0210, -0.8147



40.0830, 24.1161, -35.1528



96.9390, 59.1901, -85.0155

Inverse Universe

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



18.5550, 5.1494, 28.4543



24.0660, 6.8695, 36.7761



42.8380, -21.1191, 7.1581



24.0110, -0.0054, 1.7444



32.4250, 9.1575, 49.6163



78.9050, 21.7388, 121.1093

Previews

White Background



This preview shows how the YUV color 22.8370, 13.8844, -20.0280 looks on a white background.

Color Contrast Check

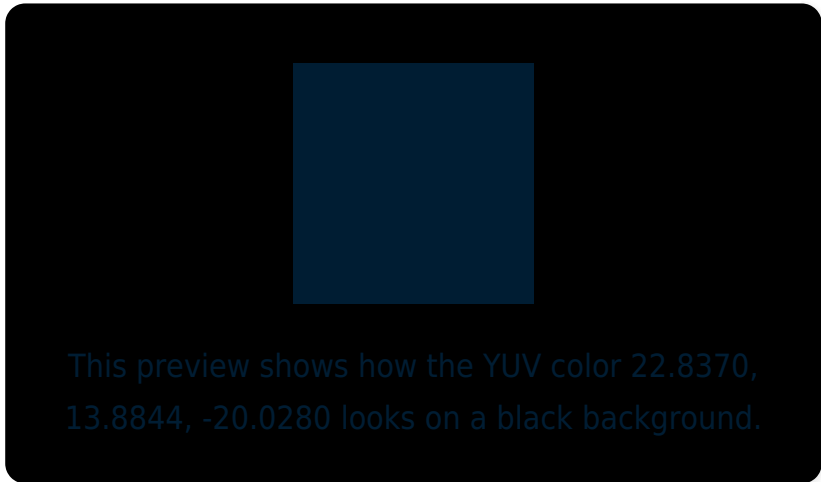
Large Text (above 18pt) WCAG AA ✓ Pass

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

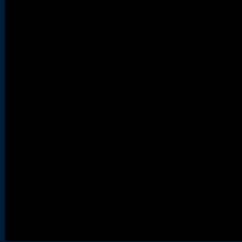
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 22.8370, 13.8844, -20.0280

Background



This preview shows how black text looks on a background with the YUV color 22.8370, 13.8844, -20.0280.



This preview shows how white text looks on a background with the YUV color 22.8370, 13.8844,

-20.0280.

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

22.8370, 13.8844, -20.0280

Protanopia

27.5180, 11.0836, -8.3473

Deuteranopia

24.3320, 13.1473, -16.9542



Tritanopia

22.6600, 5.5906, -19.8728

Trichromacy



Original Color

22.8370, 13.8844, -20.0280

Protanomaly

25.4250, 12.1155, -12.6507

Deuteranomaly

23.7340, 13.4421, -18.1837

Tritanomaly

22.7570, 8.5008, -19.9579

Monochromacy



Original Color

22.8370, 13.8844, -20.0280

Achromatopsia

23.0000, 0.0000, 0.0000

Achromatomaly

22.9220, 4.9685, -6.9476

CSS Examples

Text

The CSS property to change the color of the text to YUV 22.8370, 13.8844, -20.0280 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, 29, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 29, 51)  
}
```

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, 29, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 29, 51) }
```

Border

The CSS property to change the border of an element to YUV 22.8370, 13.8844, -20.0280 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, 29, 51) }
```


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

```
.border{ border-color:rgb(0, 29, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 29, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 29, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 29, 51); box-shadow:4px  
4px 4px 4px rgb(0, 29, 51) }
```

Background

The CSS property to change the background color of an element to YUV 22.8370, 13.8844, -20.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 29, 51) }
```

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

```
.background{ background-color: rgb(0, 29,  
51) }
```

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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