

# Converting Colors

YIQ(26.4630, -20.3570, -0.0130)

Have a look what the booklet for  
YIQ(26.4630, -20.3570, -0.0130)  
contains.

<b>YIQ(26.4630, -20.3570, -0.0130)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(26.4630, -20.3570,  
-0.0130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	072031
RGB	7, 32, 49
RGB Percent	3%, 13%, 19%
CMY	0.9726, 0.8745, 0.8079
CMYK	0.86, 0.35, 0.00, 0.81
HSL	204°, 75%, 11%
HSV	204°, 86%, 19%
XYZ	1.1581, 1.3002, 3.0930
YIQ	26.4630, -20.3570, -0.0130

# Conversions

## Conversions Part 2

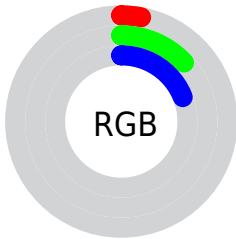
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	7, 23, 49
Decimal	466993
CIE Lab	11.28, -2.52, -13.99
CIE LCh	11, 14.220, 259.802
Yxy	1.3002, 0.2086, 0.2342
Android (android.graphics.Color)	4278657073 (0xFF072031)
YUV	26.4630, 11.1107, -17.0691
Hunter-Lab	11.4028, -1.8253, -8.1005

# Details

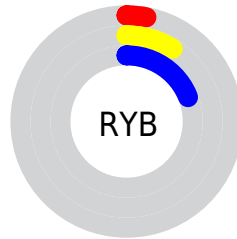
The YIQ color **26.4630, -20.3570, -0.0130** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29.5370, 20.3570, 0.0130**, and the grayscale version is **26.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **71.8870, -18.6150, 1.4570**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **23.7940, -22.7870, -0.0270**, and if you desaturate by 10%, it is **29.1320, -17.9270, 0.0010**.

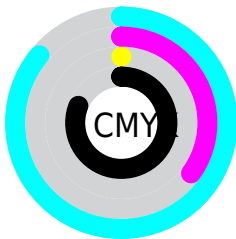
# Distribution



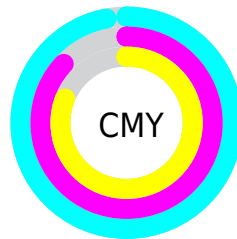
- Red (3%)
- Green (13%)
- Blue (19%)



- Red (3%)
- Yellow (9%)
- Blue (19%)



- Cyan (86%)
- Magenta (35%)
- Yellow (0%)
- Black (81%)



- Cyan (97%)
- Magenta (87%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 26.4630, -20.3570, -0.0130 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 YIQ color 26.4630, -20.3570, -0.0130 by changing the saturation by 10% instead.



■ 26.4630, -20.3570,  
-0.0130

■ 26.4630, -20.3570,  
-0.0130

■ 250.2160, -9.5360,  
-3.3920

■ 7.8880, -11.1880,  
4.5240

■ 71.8870, -18.6150,  
1.4570

■ 0.0000, 0.0000,  
0.0000

■ 96.0010, -18.9360,  
1.7680

■ 120.8160,  
-19.8530, 1.8670

■ 146.2290,  
-19.5780, 2.3900

■ 173.0440,  
-20.4950, 2.4890

■ 200.1580,

-20.8160, 2.8000

■ 228.6310,  
-20.7700, 1.9660

■ 26.4630, -20.3570,  
-0.0130

■ 26.4630, -20.3570,  
-0.0130

■ 23.7940, -22.7870,  
-0.0270

■ 29.1320, -17.9270,  
0.0010

■ 22.6090, -23.7040,  
0.0720

■ 31.8010, -15.4970,  
0.0150

■ 34.4700, -13.0670,  
0.0290

■ 37.1390, -10.6370,  
0.0430

■ 39.5090, -8.8030,  
-0.1550

■ 42.1780, -6.3730,  
-0.1410

■ 44.8470, -3.9430,  
-0.1270

■ 47.5160, -1.5130,  
-0.1130

■ 50.1850, 0.9170,  
-0.0990

# Harmonies

## Analogous

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



25.0880, -23.7950, -3.7870



26.4630, -20.3570, -0.0130



30.2690, -7.8870, 5.2730

# Triad

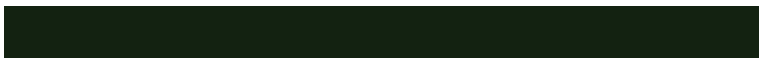
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



26.4630, -20.3570, -0.0130



30.3010, 15.4500, 6.3460



27.5770, -3.4830, -8.4670

# Complementary

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



26.4630, -20.3570, -0.0130



29.5370, 20.3570, 0.0130

# 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.



28.0790, 6.7870, -7.3650



26.4630, -20.3570, -0.0130



30.0250, 16.0470, 1.0310

# Square

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



26.4630, -20.3570, -0.0130



31.4300, 10.7730, 8.5090



29.1940, 13.8930, -3.9870



25.0040, -14.9910, -9.1590



# Rectangle

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



26.4630, -20.3570, -0.0130



30.8570, -0.7350, 7.8170



29.1940, 13.8930, -3.9870



27.7300, 0.4600, -8.3400

# Sweetspot

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



26.4630, -20.3570, -0.0130



54.8080, -8.2070, 0.0570



33.5920, -17.0070, -16.6790



27.6620, -4.8600, -0.0280



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.



26.4630, -20.3570, -0.0130



29.6020, -30.9940, 0.0300



14.1360, -14.5820, 10.9700



23.9290, -1.2380, 0.4100



41.2570, -43.1440, -0.0400



100.4610, -105.1320, 0.0200



# Inverse Universe

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



22.4080, 17.0070, 16.6790



23.4680, 25.9460, 25.3860



41.8640, 14.5820, -10.9700



24.0110, 1.4670, 0.9470



32.6530, 36.0310, 35.3510

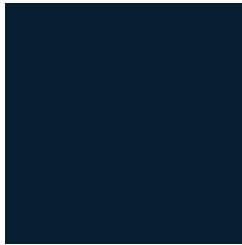


79.5890, 87.9230, 86.1230



# Previews

## White Background



This preview shows how the YIQ color 26.4630, -20.3570, -0.0130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

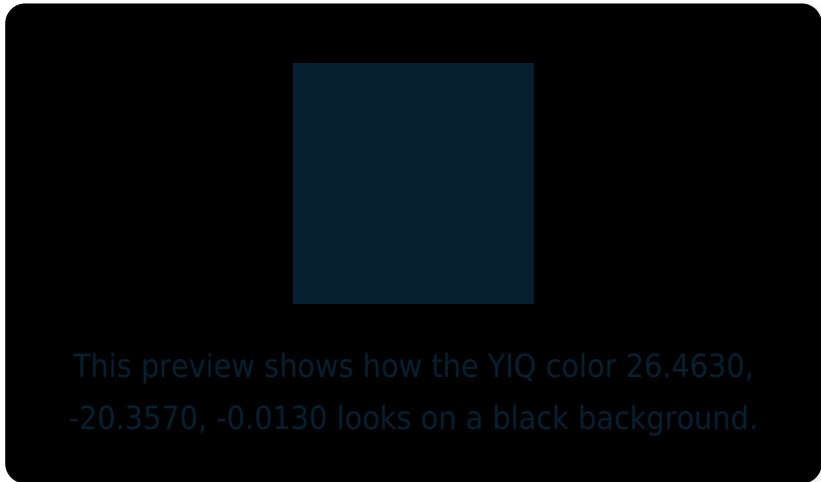
Any Text WCAG AA ✓ Pass

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

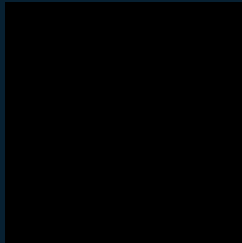
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 26.4630, -20.3570, -0.0130**

## **Background**



This preview shows how black text looks on a background with the YIQ color 26.4630, -20.3570, -0.0130.



This preview shows how white text looks on a background with the YIQ color 26.4630, -20.3570,

-0.0130.

# 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

26.4630, -20.3570, -0.0130

### Protanopia

30.1440, -9.0330, 4.0150

### Deuteranopia

29.4640, -12.9300, 3.0540



## Tritanopia

24.0620, -20.9060, -6.5860

# Trichromacy



## Original Color

26.4630, -20.3570, -0.0130

## Protanomaly

29.0510, -13.2050, 2.5310

## Deuteranomaly

28.2680, -15.3140, 2.2060

## Tritanomaly

24.9420, -20.4480, -3.8720

# Monochromacy



## Original Color

26.4630, -20.3570, -0.0130

## Achromatopsia

26.0000, -0.0000, -0.0000

## Achromatomaly

25.9930, -7.2900, -0.0420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 26.4630, -20.3570, -0.0130 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(7, 32, 49)` looks like.

```
.text, #text, p{  
    color:rgb(7, 32, 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(7, 32, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 32, 49) }
```

## Border

The CSS property to change the border of an element to YIQ 26.4630, -20.3570, -0.0130 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(7, 32, 49) }
```



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

```
.border{ border-color:rgb(7, 32, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 32, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 32, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 32, 49); box-shadow:4px  
4px 4px 4px rgb(7, 32, 49) }
```

# Background

The CSS property to change the background color of an element to YIQ 26.4630, -20.3570, -0.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 32, 49) }
```

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

```
.background{ background-color: rgb(7, 32,  
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](#).

# 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