

# Converting Colors

YIQ(27.6230, -18.2920, -9.9080)

Have a look what the booklet for  
YIQ(27.6230, -18.2920, -9.9080)  
contains.

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# Color

**YIQ(27.6230, -18.2920,  
-9.9080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04271F
RGB	4, 39, 31
RGB Percent	2%, 15%, 12%
CMY	0.9844, 0.8470, 0.8785
CMYK	0.90, 0.00, 0.21, 0.85
HSL	166°, 81%, 8%
HSV	166°, 90%, 15%
XYZ	1.0229, 1.5765, 1.5455
YIQ	27.6230, -18.2920, -9.9080

# Conversions

## Conversions Part 2

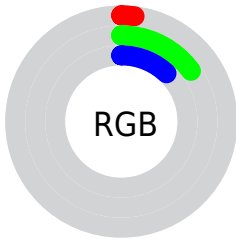
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 24, 39
Decimal	272159
CIE Lab	13.09, -14.98, 1.72
CIE LCh	13, 15.080, 173.436
Yxy	1.5765, 0.2468, 0.3803
Android (android.graphics.Color)	4278462239 (0xFF04271F)
YUV	27.6230, 1.6649, -20.7174
Hunter-Lab	12.5559, -7.4310, 1.4910

# Details

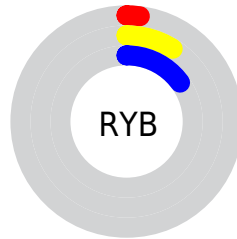
The YIQ color **27.6230, -18.2920, -9.9080** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15.3770, 18.2920, 9.9080**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **72.8080, -17.3750, -10.0070**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.3130, -20.3550, -11.0670**, and if you desaturate by 10%, it is **28.9330, -16.2290, -8.7490**.

# Distribution



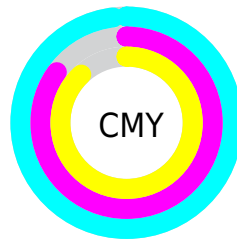
- Red (2%)
- Green (15%)
- Blue (12%)



- Red (2%)
- Yellow (9%)
- Blue (15%)



- Cyan (90%)
- Magenta (0%)
- Yellow (21%)
- Black (85%)



- Cyan (98%)
- Magenta (85%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 27.6230, -18.2920, -9.9080 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 27.6230, -18.2920, -9.9080 by changing the saturation by 10% instead.



■ 27.6230, -18.2920,  
-9.9080

■ 27.6230, -18.2920,  
-9.9080

■ 248.4220,  
-13.1120, -4.6640

■ 11.8370, -7.1510,  
-8.0710

■ 72.8080, -17.3750,  
-10.0070

■ 0.0000, 0.0000,  
0.0000

■ 97.2810, -17.3290,  
-10.8410


■ 121.9820,  
-17.9250, -11.0530


■ 147.9820,  
-17.9250, -11.0530


■ 174.6830,  
-18.5210, -11.2650


■ 202.2700,


-18.7960, -11.7880


 230.5580,  
-19.6670, -12.5230


 27.6230, -18.2920,  
-9.9080


 27.6230, -18.2920,  
-9.9080


 26.3130, -20.3550,  
-11.0670

 28.9330, -16.2290,  
-8.7490

 30.2430, -14.1660,  
-7.5900

 31.5530, -12.1030,  
-6.4310

 32.8630, -10.0400,  
-5.2720

 33.7600, -8.2520,  
-4.6360

■ 35.0700, -6.1890,  
-3.4770

■ 36.3800, -4.1260,  
-2.3180

■ 37.6900, -2.0630,  
-1.1590

■ 39.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

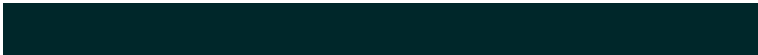
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6800, -5.2710, -9.1030



27.6230, -18.2920, -9.9080



27.6810, -24.2070, -7.3350

# Triad

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



27.6230, -18.2920, -9.9080



34.0950, -7.3370, 6.3190



33.9110, 16.3680, 0.7200

# Complementary

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



27.6230, -18.2920, -9.9080



15.3770, 18.2920, 9.9080

# 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.



34.3720, 16.6880, 5.9360



27.6230, -18.2920, -9.9080



35.1350, 4.3540, 9.2020

# Square

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



27.6230, -18.2920, -9.9080



30.2890, -19.8070, 1.0330



34.3270, 12.5610, 9.1450



32.8950, 13.2970, -4.1990

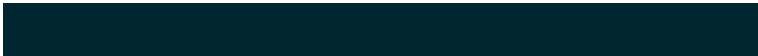


# Rectangle

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



27.6230, -18.2920, -9.9080



27.7780, -25.8580, -4.9460



34.3270, 12.5610, 9.1450



33.6770, 17.1470, 3.1230

# Sweetspot

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



27.6230, -18.2920, -9.9080



46.4720, -7.3810, -3.9010



26.9370, -4.8570, -16.6090



23.0810, -4.7220, -2.5300



153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000



# Same Dimension

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



27.6230, -18.2920, -9.9080



34.3830, -26.5440, -14.5440



23.2520, -18.3850, -2.7130



19.4020, -1.1920, -0.4240



56.7180, -43.9650, -23.7170



143.0260, -110.6230, -60.1830



# Inverse Universe

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



15.3770, 18.2920, 9.9080



16.6170, 26.5440, 14.5440



19.7480, 18.3850, 2.7130



18.7120, 0.8710, 0.7350



27.2820, 43.9650, 23.7170

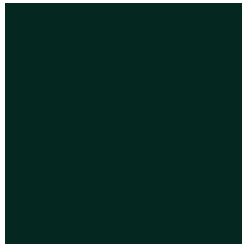


68.9740, 110.6230, 60.1830



# Previews

## White Background



This preview shows how the YIQ color 27.6230, -18.2920, -9.9080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

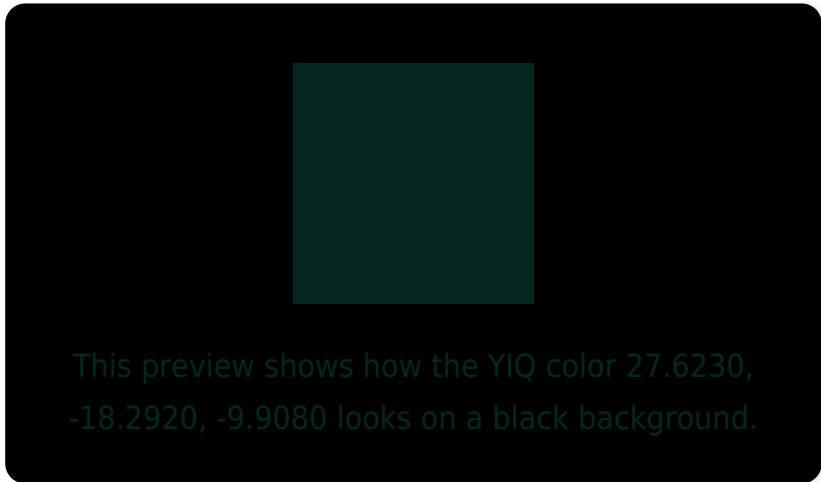
Any Text WCAG AA ✓ Pass

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

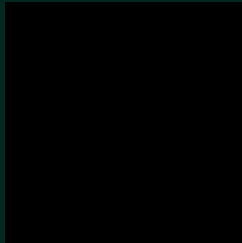
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 27.6230, -18.2920, -9.9080**

## **Background**



This preview shows how black text looks on a background with the YIQ color 27.6230, -18.2920, -9.9080.



This preview shows how white text looks on a background with the YIQ color 27.6230, -18.2920,

-9.9080.

# 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

27.6230, -18.2920, -9.9080

### Protanopia

34.0280, 2.7970, -1.1310

### Deuteranopia

34.3810, 3.3010, 0.7490



**Tritanopia**

30.5680, -16.4590, -4.5790

# Trichromacy



## Original Color

27.6230, -18.2920, -9.9080

## Protanomaly

31.7280, -5.2260, -4.4100

## Deuteranomaly

31.9670, -4.4010, -2.8410

## Tritanomaly

29.2150, -16.9630, -6.4590

# Monochromacy



## Original Color

27.6230, -18.2920, -9.9080

## Achromatopsia

28.0000, -0.0000, 0.0000

## Achromatomaly

27.7710, -6.7850, -3.6890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 27.6230, -18.2920, -9.9080 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(4, 39, 31)` looks like.

```
.text, #text, p{  
    color:rgb(4, 39, 31)  
}
```

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(4, 39, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 39, 31) }
```

## Border

The CSS property to change the border of an element to YIQ 27.6230, -18.2920, -9.9080 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(4, 39, 31) }
```



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

```
.border{ border-color:rgb(4, 39, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 39, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 39, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 39, 31); box-shadow:4px  
4px 4px 4px rgb(4, 39, 31) }
```

# Background

The CSS property to change the background color of an element to YIQ 27.6230, -18.2920, -9.9080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 39, 31) }
```

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

```
.background{ background-color: rgb(4, 39,  
31) }
```

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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