

# Converting Colors

YIQ(27.8600, -13.9850, 5.6550)

Have a look what the booklet for  
YIQ(27.8600, -13.9850, 5.6550)  
contains.

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# Color

**YIQ(27.8600, -13.9850,  
5.6550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	121C35
RGB	18, 28, 53
RGB Percent	7%, 11%, 21%
CMY	0.9294, 0.8902, 0.7922
CMYK	0.66, 0.47, 0.00, 0.79
HSL	223°, 49%, 14%
HSV	223°, 66%, 21%
XYZ	1.3069, 1.2162, 3.5317
YIQ	27.8600, -13.9850, 5.6550

# Conversions

## Conversions Part 2

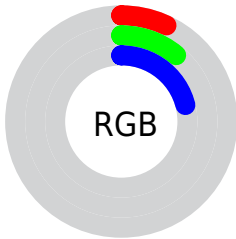
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 26, 53
Decimal	1186869
CIE Lab	10.68, 4.80, -17.79
CIE LCh	11, 18.427, 285.111
Yxy	1.2162, 0.2159, 0.2009
Android (android.graphics.Color)	4279376949 (0xFF121C35)
YUV	27.8600, 12.3940, -8.6472
Hunter-Lab	11.0279, 1.8554, -11.2682

# Details

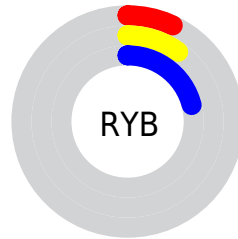
The YIQ color **27.8600, -13.9850, 5.6550** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **43.1400, 13.9850, -5.6550**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **72.2130, -13.4810, 7.5350**, and **0.4560, -1.2840, 1.2440** is the 20% darker color. If you saturate the color by 10%, you get **24.0170, -15.8650, 6.6870**, and if you desaturate by 10%, it is **31.7030, -12.1050, 4.6230**.

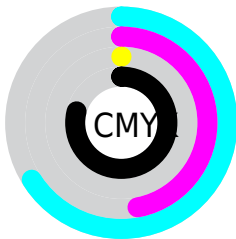
# Distribution



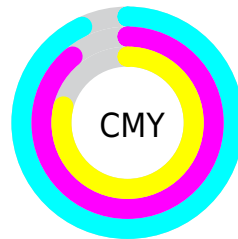
- Red (7%)
- Green (11%)
- Blue (21%)



- Red (7%)
- Yellow (10%)
- Blue (21%)



- Cyan (66%)
- Magenta (47%)
- Yellow (0%)
- Black (79%)



- Cyan (93%)
- Magenta (89%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 27.8600, -13.9850, 5.6550 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 27.8600, -13.9850, 5.6550 by changing the saturation by 10% instead.



■ 27.8600, -13.9850,  
5.6550

■ 27.8600, -13.9850,  
5.6550

■ 253.2060, -3.5760,  
-1.2720

■ 3.6480, -10.2720,  
9.9520

■ 72.2130, -13.4810,  
7.5350

■ 0.4560, -1.2840,  
1.2440

■ 96.3270, -13.8020,  
7.8460

■ 0.0000, 0.0000,  
0.0000

■ 120.8540,  
-13.8480, 8.6800

■ 146.6690,  
-14.7650, 8.7790

■ 173.0820,  
-14.4900, 9.3020

■ 200.7830,

-15.0860, 9.0900

■ 228.0990,  
-13.1600, 7.2240

■ 27.8600, -13.9850,  
5.6550

■ 27.8600, -13.9850,  
5.6550

■ 24.0170, -15.8650,  
6.6870

■ 31.7030, -12.1050,  
4.6230

■ 19.8750, -18.3410,  
7.5070

■ 35.8450, -9.6290,  
3.8030

■ 16.6190, -20.4960,  
8.0160

■ 39.1010, -7.4740,  
3.2940

■ 14.8470, -21.1380,  
8.6380

■ 42.9440, -5.5940,  
2.2620

■ 46.7870, -3.7140,  
1.2300

■ 50.9290, -1.2380,  
0.4100

■ 54.1850, 0.9170,  
-0.0990

■ 58.0280, 2.7970,  
-1.1310

■ 62.1700, 5.2730,  
-1.9510

# Harmonies

## Analogous

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



24.8260, -25.8130, -0.2530



27.8600, -13.9850, 5.6550



30.2210, 1.2360, 10.6440

# Triad

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



27.8600, -13.9850, 5.6550



27.8900, 20.8610, 1.8930



23.0530, -16.6870, -11.4630

# Complementary

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



27.8600, -13.9850, 5.6550



43.1400, 13.9850, -5.6550

# 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.



25.1380, -0.8690, -11.7890



27.8600, -13.9850, 5.6550



27.8200, 17.8820, -4.6940

# Square

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



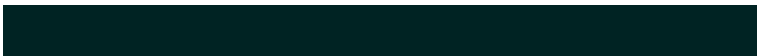
27.8600, -13.9850, 5.6550



28.7360, 18.6590, 8.7630



26.8790, 10.2260, -9.1180



24.5350, -20.8600, -7.4200



# Rectangle

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



27.8600, -13.9850, 5.6550



30.0540, 9.0760, 11.7320



26.8790, 10.2260, -9.1180



22.7930, -13.0190, -11.8590

# Sweetspot

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



27.8600, -13.9850, 5.6550



58.9440, -5.5940, 2.2620



41.2810, -17.3290, -10.8410



29.7870, -3.7140, 1.2300



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000



# Same Dimension

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



27.8600, -13.9850, 5.6550



29.6620, -22.0550, 8.7370



24.0830, -7.0630, 12.3690



23.9290, -1.2380, 0.4100



25.4080, -35.7190, 14.0810



61.1320, -86.7070, 35.0610



# Inverse Universe

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



29.6050, 17.6500, 10.5300



32.2690, 27.6440, 16.6360



46.9170, 7.0630, -12.3690



24.0110, 1.4670, 0.9470



29.5750, 44.6980, 26.9540



71.9510, 109.4300, 65.2860



# Previews

## White Background



This preview shows how the YIQ color 27.8600, -13.9850, 5.6550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

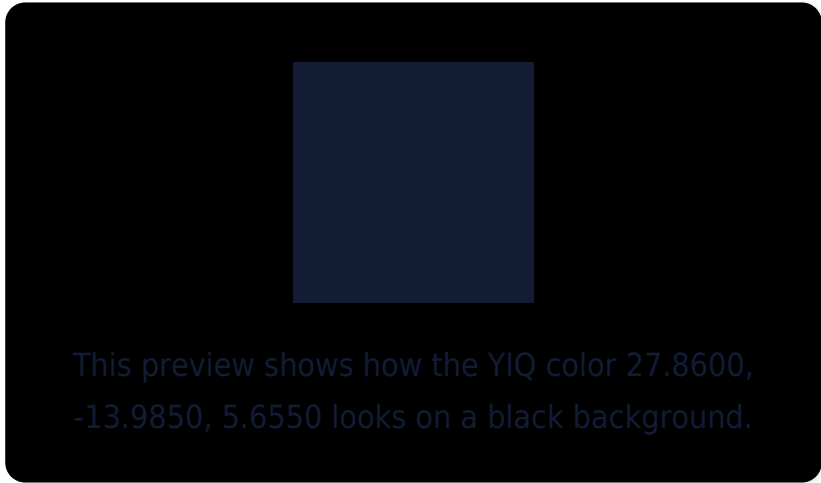
Any Text WCAG AA ✓ Pass

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

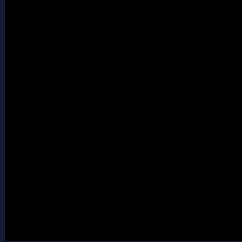
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 27.8600, -13.9850, 5.6550**

## **Background**



This preview shows how black text looks on a background with the YIQ color 27.8600, -13.9850, 5.6550.



This preview shows how white text looks on a background with the YIQ color 27.8600, -13.9850,



# 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

27.8600, -13.9850, 5.6550

### Protanopia

27.2620, -15.1770, 5.2310

### Deuteranopia

23.5380, -24.9420, 0.4820



**Tritanopia**

24.2690, -17.0550, -4.7910

# Trichromacy



## Original Color

27.8600, -13.9850, 5.6550

## Protanomaly

27.5610, -14.5810, 5.4430

## Deuteranomaly

25.0440, -20.4950, 2.4890

## Tritanomaly

25.9750, -16.0470, -1.0310

# Monochromacy



## Original Color

27.8600, -13.9850, 5.6550

## Achromatopsia

28.0000, -0.0000, 0.0000

## Achromatomaly

27.8300, -5.2730, 1.9510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 27.8600, -13.9850, 5.6550 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(18, 28, 53)` looks like.

```
.text, #text, p{  
    color:rgb(18, 28, 53)  
}
```

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(18, 28, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 28, 53) }
```

## Border

The CSS property to change the border of an element to YIQ 27.8600, -13.9850, 5.6550 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(18, 28, 53) }
```



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

```
.border{ border-color:rgb(18, 28, 53) }
```

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

Here you see how a box with a 4 pixel rgb(18, 28, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 28, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 28, 53);  
box-shadow:4px 4px 4px 4px rgb(18, 28, 53)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 27.8600, -13.9850, 5.6550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 28, 53) }
```

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

```
.background{ background-color: rgb(18, 28,  
53) }
```

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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