

# Converting Colors

YIQ(25.7710, -6.7850, -3.6890)

Have a look what the booklet for  
YIQ(25.7710, -6.7850, -3.6890)  
contains.

<b>YIQ(25.7710, -6.7850, -3.6890)</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(25.7710, -6.7850,  
-3.6890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	111E1B
RGB	17, 30, 27
RGB Percent	7%, 12%, 11%
CMY	0.9334, 0.8823, 0.8941
CMYK	0.43, 0.00, 0.10, 0.88
HSL	166°, 28%, 9%
HSV	166°, 43%, 12%
XYZ	0.8932, 1.1270, 1.2070
YIQ	25.7710, -6.7850, -3.6890

# Conversions

## Conversions Part 2

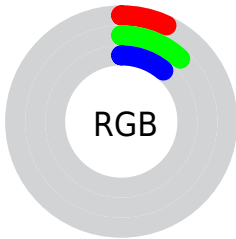
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	17, 24, 30
Decimal	1121819
CIE Lab	10.01, -6.59, 0.25
CIE LCh	10, 6.594, 177.856
Yxy	1.1270, 0.2768, 0.3492
Android (android.graphics.Color)	4279311899 (0xFF111E1B)
YUV	25.7710, 0.6059, -7.6922
Hunter-Lab	10.6161, -3.5601, 0.6904

# Details

The YIQ color **25.7710, -6.7850, -3.6890** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **21.2290, 6.7850, 3.6890**, and the grayscale version is **26.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **69.0590, -7.6560, -4.4240**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **24.7600, -8.2520, -4.6360**, and if you desaturate by 10%, it is **26.7820, -5.3180, -2.7420**.

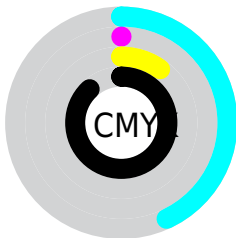
# Distribution



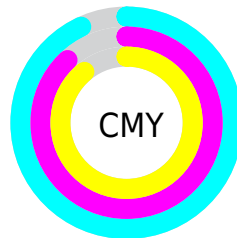
- Red (7%)
- Green (12%)
- Blue (11%)



- Red (7%)
- Yellow (9%)
- Blue (12%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (88%)



- Cyan (93%)
- Magenta (88%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 25.7710, -6.7850, -3.6890 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 25.7710, -6.7850, -3.6890 by changing the saturation by 10% instead.



■ 25.7710, -6.7850,  
-3.6890

■ 25.7710, -6.7850,  
-3.6890

■ 250.7000, -8.0230,  
-3.2790

■ 0.0000, 0.0000,  
0.0000

■ 69.0590, -7.6560,  
-4.4240

■ 92.1730, -7.9770,  
-4.1130

■ 117.0590, -7.6560,  
-4.4240

■ 142.7600, -8.2520,  
-4.6360

■ 169.3470, -8.5270,  
-5.1590

■ 196.4610, -8.8480,

-4.8480

■ 224.4610, -8.8480,  
-4.8480

■ 25.7710, -6.7850,  
-3.6890

■ 25.7710, -6.7850,  
-3.6890

■ 24.7600, -8.2520,  
-4.6360

■ 26.7820, -5.3180,  
-2.7420

■ 23.8630, -10.0400,  
-5.2720

■ 27.6790, -3.5300,  
-2.1060

■ 22.8520, -11.5070,  
-6.2190

■ 28.6900, -2.0630,  
-1.1590

■ 21.8410, -12.9740,  
-7.1660

■ 29.7010, -0.5960,  
-0.2120

■ 20.9440, -14.7620,  
-7.8020

■ 30.5980, 1.1920,  
0.4240

■ 20.2320, -15.6330,  
-8.5370

■ 31.6090, 2.6590,  
1.3710

■ 32.6200, 4.1260,  
2.3180

■ 33.6310, 5.5930,  
3.2650

■ 34.5280, 7.3810,  
3.9010

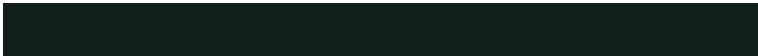
# Harmonies

## Analogous

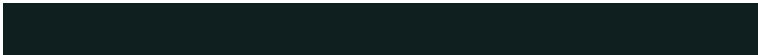
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.5110, -3.1170, -4.0850



25.7710, -6.7850, -3.6890



25.6290, -9.2610, -2.8690

# Triad

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



25.7710, -6.7850, -3.6890



27.6240, -1.6970, 3.2230



28.0070, 7.2900, 0.0420

# Complementary

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



25.7710, -6.7850, -3.6890



21.2290, 6.7850, 3.6890

# 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.



28.4740, 7.4730, 2.2330



25.7710, -6.7850, -3.6890



28.1900, 2.5210, 3.8730

# Square

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



25.7710, -6.7850, -3.6890



27.1180, -6.1440, 1.2160



28.0440, 5.8680, 3.7880



27.1700, 5.2730, -1.9510



# Rectangle

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



25.7710, -6.7850, -3.6890



26.2700, -9.6280, -1.7240



28.0440, 5.8680, 3.7880



27.8330, 7.8400, 1.0880

# Sweetspot

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



25.7710, -6.7850, -3.6890



36.3910, -2.6590, -1.3710



25.5280, -1.7870, -6.1630



19.1030, -1.7880, -0.6360



148.0000, -0.0000, 0.0000



20.0000, 0.0000, -0.0000



# Same Dimension

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



25.7710, -6.7850, -3.6890



31.5640, -10.6360, -5.4840



24.3520, -6.9230, -1.1870



14.7010, -0.5960, -0.2120



53.3270, -41.3060, -22.3460



139.6350, -107.9640, -58.8120



# Inverse Universe

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



21.2290, 6.7850, 3.6890



24.5500, 10.3150, 5.7950



22.6480, 6.9230, 1.1870



14.2990, 0.5960, 0.2120



25.6730, 41.3060, 22.3460



67.3650, 107.9640, 58.8120



# Previews

## White Background



This preview shows how the YIQ color 25.7710, -6.7850, -3.6890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

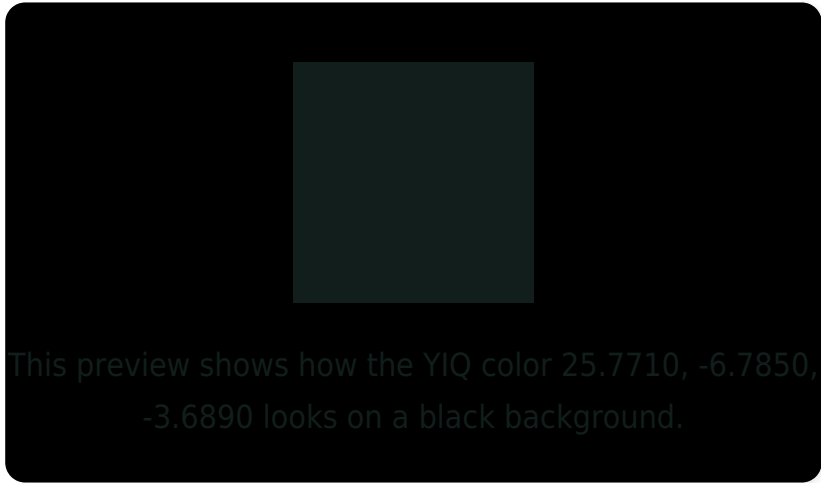
Any Text WCAG AA ✓ Pass

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

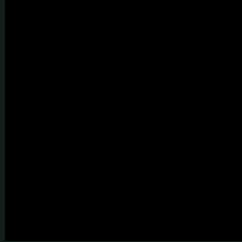
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

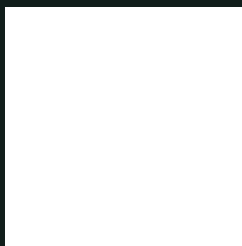
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 25.7710, -6.7850, -3.6890**

## **Background**



This preview shows how black text looks on a background with the YIQ color 25.7710, -6.7850, -3.6890.



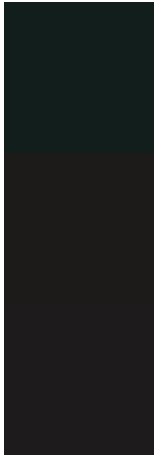
This preview shows how white text looks on a background with the YIQ color 25.7710, -6.7850,

-3.6890.

# 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

25.7710, -6.7850, -3.6890

### Protanopia

27.1850, 0.9170, -0.0990

### Deuteranopia

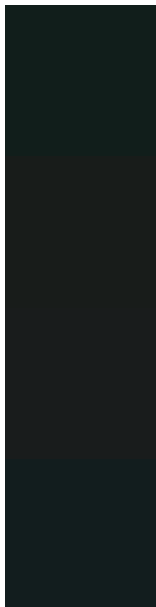
28.0110, 1.4670, 0.9470



## Tritanopia

26.0530, -7.5190, -1.3990

# Trichromacy



## Original Color

25.7710, -6.7850, -3.6890

## Protanomaly

26.5760, -1.7420, -1.4700

## Deuteranomaly

27.1030, -1.7880, -0.6360

## Tritanomaly

25.8250, -6.8770, -2.0210

# Monochromacy



## Original Color

25.7710, -6.7850, -3.6890

## Achromatopsia

26.0000, -0.0000, -0.0000

## Achromatomaly

25.6900, -2.0630, -1.1590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 25.7710, -6.7850, -3.6890 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(17, 30, 27)` looks like.

```
.text, #text, p{  
    color:rgb(17, 30, 27)  
}
```

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(17, 30, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 30, 27) }
```

## Border

The CSS property to change the border of an element to YIQ 25.7710, -6.7850, -3.6890 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(17, 30, 27) }
```



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

```
.border{ border-color:rgb(17, 30, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 30, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 30, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 30, 27);  
box-shadow:4px 4px 4px 4px rgb(17, 30, 27)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 25.7710, -6.7850, -3.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 30, 27) }
```

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

```
.background{ background-color: rgb(17, 30,  
27) }
```

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