

# Converting Colors

YIQ(66.8650, -30.7170,  
-10.5010)

Have a look what the booklet for  
YIQ(66.8650, -30.7170, -10.5010)  
contains.

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# Color

**YIQ(66.8650, -30.7170,  
-10.5010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1F5253
RGB	31, 82, 83
RGB Percent	12%, 32%, 33%
CMY	0.8785, 0.6783, 0.6746
CMYK	0.63, 0.01, 0.00, 0.67
HSL	181°, 46%, 22%
HSV	181°, 63%, 33%
XYZ	5.1432, 6.9527, 9.2482
YIQ	66.8650, -30.7170, -10.5010

# Conversions

## Conversions Part 2

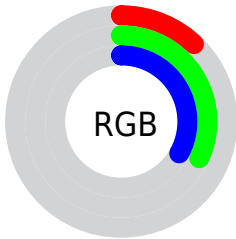
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 57, 83
Decimal	2052691
CIE <sub>Lab</sub>	31.70, -16.48, -5.68
CIE <sub>LCh</sub>	32, 17.430, 199.002
Y <sub>xy</sub>	6.9527, 0.2410, 0.3257
Android (android.graphics.Color)	4280242771 (0xFF1F5253)
<b>YUV</b>	66.8650, 7.9546, -31.4536
Hunter-Lab	26.3680, -11.3268, -2.3376




# Details

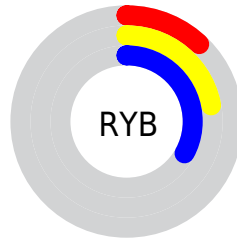
The YIQ color **66.8650, -30.7170, -10.5010** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **47.1350, 30.7170, 10.5010**, and the grayscale version is **67.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **117.0500, -29.8000, -10.6000**, and **26.0510, -22.3730, -7.5330** is the 20% darker color. If you saturate the color by 10%, you get **64.4730, -35.4850, -12.1970**, and if you desaturate by 10%, it is **69.2570, -25.9490, -8.8050**.

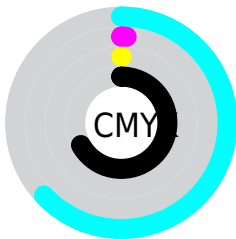
# Distribution







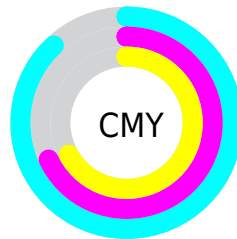
-  Red (12%)
-  Green (32%)
-  Blue (33%)






-  Red (12%)
-  Yellow (22%)
-  Blue (33%)



-  Cyan (63%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (67%)



-  Cyan (88%)
-  Magenta (68%)
-  Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.8650, -30.7170, -10.5010 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 66.8650, -30.7170, -10.5010 by changing the saturation by 10% instead.



■ 66.8650, -30.7170,  
-10.5010

■ 66.8650, -30.7170,  
-10.5010

■ 255.0000, -0.0000,  
-0.0000

■ 41.4730, -35.4850,  
-12.1970

■ 117.0500,  
-29.8000, -10.6000

■ 26.0510, -22.3730,  
-7.5330

■ 143.0500,  
-29.8000, -10.6000

■ 9.0960, -9.0780,  
-0.6780

■ 169.7510,  
-30.3960, -10.8120

■ 0.0000, 0.0000,  
0.0000

■ 197.4520,  
-30.9920, -11.0240

■ 225.4520,  
-30.9920, -11.0240

■ 243.6380,

-22.6480, -8.0560

252.3090, -5.3640,  
-1.9080

66.8650, -30.7170,  
-10.5010

66.8650, -30.7170,  
-10.5010

64.4730, -35.4850,  
-12.1970

69.2570, -25.9490,  
-8.8050

61.7820, -40.8490,  
-14.1050

71.9480, -20.5850,  
-6.8970

59.3900, -45.6170,  
-15.8010

74.3400, -15.8170,  
-5.2010

57.0090, -48.9180,  
-16.5500

77.3190, -11.3240,  
-4.0280

79.7110, -6.5560,  
-2.3320

■ 82.4020, -1.1920,  
-0.4240

■ 84.7940, 3.5760,  
1.2720

■ 87.1860, 8.3440,  
2.9680

■ 89.8770, 13.7080,  
4.8760

# Harmonies

## Analogous

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



69.1560, -18.4750, -12.0990



66.8650, -30.7170, -10.5010



67.9450, -33.6980, -6.0340

# Triad

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



66.8650, -30.7170, -10.5010



76.5310, 3.2990, 11.8030



74.3470, 17.8360, -3.8600

# Complementary

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



66.8650, -30.7170, -10.5010



47.1350, 30.7170, 10.5010

# 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.



75.4880, 22.0530, 2.3170



66.8650, -30.7170, -10.5010



76.5770, 14.8530, 11.6610

# Square

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



66.8650, -30.7170, -10.5010



74.8820, -11.0510, 7.5490



76.1770, 21.7310, 8.1550



72.5090, 8.3920, -8.9200



# Rectangle

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



66.8650, -30.7170, -10.5010



70.3310, -28.7930, -1.3130



76.1770, 21.7310, 8.1550



74.1840, 19.8530, -1.8670

# Sweetspot

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



66.8650, -30.7170, -10.5010



101.0200, -11.9200, -4.2400



61.6380, -14.6210, -26.8850



49.5260, -7.4730, -2.2330



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



66.8650, -30.7170, -10.5010



82.4930, -47.4050, -16.4370



51.6030, -23.5670, 3.0970



39.8040, -2.3840, -0.8480



72.4310, -62.0300, -21.2140



160.2840, -137.1720, -47.0920



# Inverse Universe

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



52.3620, 14.6210, 26.8850



59.9260, 22.3210, 41.5290



62.3970, 23.5670, -3.0970



38.6520, 1.1000, 2.0920



43.1370, 29.5170, 54.2930

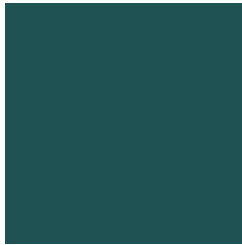


95.3600, 65.0840, 120.0920



# Previews

## White Background



This preview shows how the YIQ color 66.8650, -30.7170, -10.5010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

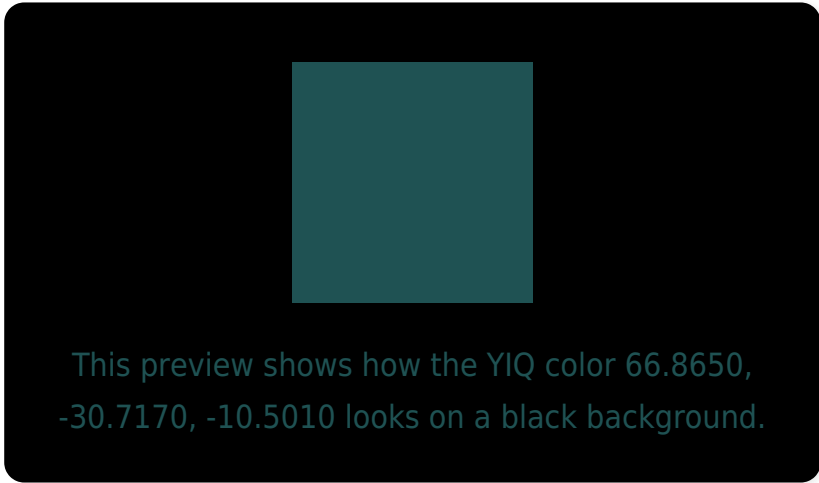
Any Text WCAG AA ✓ Pass

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

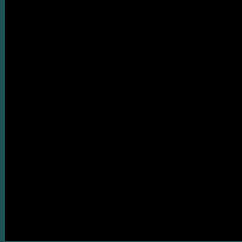
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 66.8650, -30.7170, -10.5010

## Background



This preview shows how black text looks on a background with the YIQ color 66.8650, -30.7170, -10.5010.



This preview shows how white text looks on a background with the YIQ color 66.8650, -30.7170,

-10.5010.

# 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

66.8650, -30.7170, -10.5010

### Protanopia

74.7550, -0.6880, 1.4560

### Deuteranopia

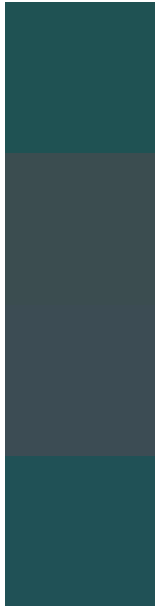
74.9770, -1.1930, 5.1030



## Tritanopia

67.4460, -30.8550, -7.9990

# Trichromacy



## Original Color

66.8650, -30.7170, -10.5010

## Protanomaly

71.9600, -11.6910, -2.8830

## Deuteranomaly

72.1280, -12.1040, -0.9040

## Tritanomaly

66.9190, -30.8090, -8.8330

# Monochromacy



## Original Color

66.8650, -30.7170, -10.5010

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

66.7320, -11.0490, -3.5050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.8650, -30.7170, -10.5010 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(31, 82, 83)` looks like.

```
.text, #text, p{  
    color:rgb(31, 82, 83)  
}
```

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(31, 82, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 82, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 66.8650, -30.7170, -10.5010 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(31, 82, 83) }
```



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

```
.border{ border-color:rgb(31, 82, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 82, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 82, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 82, 83);  
box-shadow:4px 4px 4px 4px rgb(31, 82, 83)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 66.8650, -30.7170, -10.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 82, 83) }
```

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

```
.background{ background-color: rgb(31, 82,  
83) }
```

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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