

Converting Colors

YIQ(66.8410, -21.0010, 11.6630)

Have a look what the booklet for
YIQ(66.8410, -21.0010, 11.6630)
contains.

YIQ(66.8410, -21.0010, 11.6630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(66.8410, -21.0010,
11.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	36416E
RGB	54, 65, 110
RGB Percent	21%, 25%, 43%
CMY	0.7882, 0.7451, 0.5687
CMYK	0.51, 0.41, 0.00, 0.57
HSL	228°, 34%, 32%
HSV	228°, 51%, 43%
XYZ	6.2247, 5.6906, 15.5136
YIQ	66.8410, -21.0010, 11.6630

Conversions

Conversions Part 2

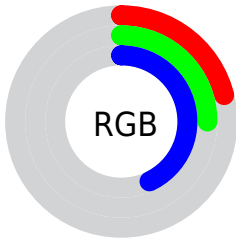
Format	Color
R_{YB}	54, 63, 110
Decimal	3555694
CIE Lab	28.62, 9.22, -27.53
CIE LCh	29, 29.035, 288.520
Yxy	5.6906, 0.2269, 0.2075
Android (android.graphics.Color)	4281745774 (0xFF36416E)
YUV	66.8410, 21.2774, -11.2616
Hunter-Lab	23.8549, 4.8322, -21.8597

Details

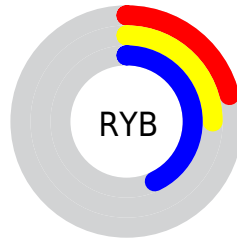
The YIQ color **66.8410, -21.0010, 11.6630** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **97.1590, 21.0010, -11.6630**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **115.8950, -21.0930, 13.3310**, and **20.5690, -26.2270, 7.2530** is the 20% darker color. If you saturate the color by 10%, you get **58.2690, -25.0820, 14.0380**, and if you desaturate by 10%, it is **75.4130, -16.9200, 9.2880**.

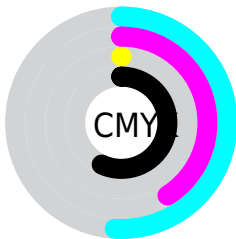
Distribution



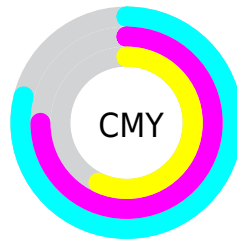
- Red (21%)
- Green (25%)
- Blue (43%)



- Red (21%)
- Yellow (25%)
- Blue (43%)



- Cyan (51%)
- Magenta (41%)
- Yellow (0%)
- Black (57%)



- Cyan (79%)
- Magenta (75%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 66.8410, -21.0010, 11.6630 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 66.8410, -21.0010, 11.6630 by changing the saturation by 10% instead.

■ 66.8410, -21.0010,
11.6630

■ 66.8410, -21.0010,
11.6630

■ 255.0000, -0.0000,
-0.0000

■ 43.6020, -21.8260,
10.0940

■ 115.8950,
-21.0930, 13.3310

■ 20.5690, -26.2270,
7.2530

■ 141.4220,
-21.1390, 14.1650

■ 4.5600, -12.8400,
12.4400

■ 167.9490,
-21.1850, 14.9990

■ 2.6390, -6.0530,
5.0750

■ 195.3620,
-20.9100, 15.5220

■ 0.0000, 0.0000,
0.0000

■ 221.3100,
-15.1320, 9.9240

■ 246.7050, -6.4190,

0.6930

■ 66.8410, -21.0010,
11.6630

■ 66.8410, -21.0010,
11.6630

■ 58.2690, -25.0820,
14.0380

■ 75.4130, -16.9200,
9.2880

■ 49.6970, -29.1630,
16.4130

■ 83.9850, -12.8390,
6.9130

■ 41.7120, -33.5190,
18.2650

■ 92.5570, -8.7580,
4.5380

■ 33.1400, -37.6000,
20.6400

■ 100.5420, -4.4020,
2.6860

■ 25.4540, -41.3600,
22.7040

■ 109.1140, -0.3210,
0.3110

■ 117.6860, 3.7600,
-2.0640

■ 126.2580, 7.8410,
-4.4390

■ 134.8300, 11.9220,
-6.8140

■ 143.4020, 16.0030,
-9.1890

Harmonies

Analogous

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



54.9180, -55.4310, -3.1350



66.8410, -21.0010, 11.6630



69.6440, 4.7190, 19.1110

Triad

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



66.8410, -21.0010, 11.6630



67.0720, 35.0280, 3.9560



52.3980, -40.0680, -22.7560

Complementary

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



66.8410, -21.0010, 11.6630



97.1590, 21.0010, -11.6630

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.



60.5020, -8.0660, -19.0260



66.8410, -21.0010, 11.6630



65.5020, 27.4650, -7.6630

Square

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



66.8410, -21.0010, 11.6630



67.5100, 34.1550, 14.2750



64.3320, 13.0240, -15.7760



55.6070, -47.7260, -16.1260

Rectangle

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



66.8410, -21.0010, 11.6630



69.4130, 18.6110, 20.6510



64.3320, 13.0240, -15.7760



54.7860, -29.4770, -21.9650

Sweetspot

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



66.8410, -21.0010, 11.6630



126.4430, -8.4370, 4.2270



92.0020, -29.8450, -15.2930



61.5420, -4.4020, 2.6860



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



66.8410, -21.0010, 11.6630



75.8970, -32.6020, 18.1660



65.4670, -7.8440, 21.0200



51.8580, -2.4760, 0.8200



27.7680, -45.1200, 24.7680



56.9210, -92.7620, 51.1900

Inverse Universe

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



71.9980, 29.8450, 15.2930



83.9510, 46.3950, 23.7310



98.5330, 7.8440, -21.0200



52.0220, 2.9340, 1.8940



38.6160, 63.8160, 32.9040



79.4390, 131.4830, 67.6030

Previews

White Background



This preview shows how the YIQ color 66.8410, -21.0010, 11.6630 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



This preview shows how the YIQ color 66.8410, -21.0010, 11.6630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

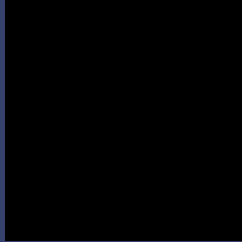
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 66.8410, -21.0010, 11.6630

Background



This preview shows how black text looks on a background with the YIQ color 66.8410, -21.0010, 11.6630.



This preview shows how white text looks on a background with the YIQ color 66.8410, -21.0010,

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

66.8410, -21.0010, 11.6630

Protanopia

66.0470, -24.5770, 10.3910

Deuteranopia

64.9000, -28.6570, 7.2390



Tritanopia

64.3120, -18.6140, -4.0700

Trichromacy



Original Color

66.8410, -21.0010, 11.6630

Protanomaly

66.6450, -23.3850, 10.8150

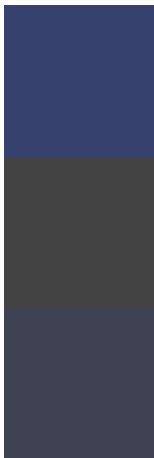
Deuteranomaly

65.5090, -25.9980, 8.6100

Tritanomaly

65.1150, -19.2570, 2.0790

Monochromacy



Original Color

66.8410, -21.0010, 11.6630

Achromatopsia

67.0000, -0.0000, -0.0000

Achromatomaly

66.7420, -7.8410, 4.4390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.8410, -21.0010, 11.6630 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(54, 65, 110)` looks like.

```
.text, #text, p{  
    color:rgb(54, 65, 110)  
}
```

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(54, 65, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 65, 110) }
```

Border

The CSS property to change the border of an element to YIQ 66.8410, -21.0010, 11.6630 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(54, 65, 110) }
```


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

```
.border{ border-color:rgb(54, 65, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 65, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 65, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 65, 110);  
box-shadow:4px 4px 4px 4px rgb(54, 65,  
110) }
```

Background

The CSS property to change the background color of an element to YIQ 66.8410, -21.0010, 11.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 65, 110) }
```

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

```
.background{ background-color: rgb(54, 65,  
110) }
```

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